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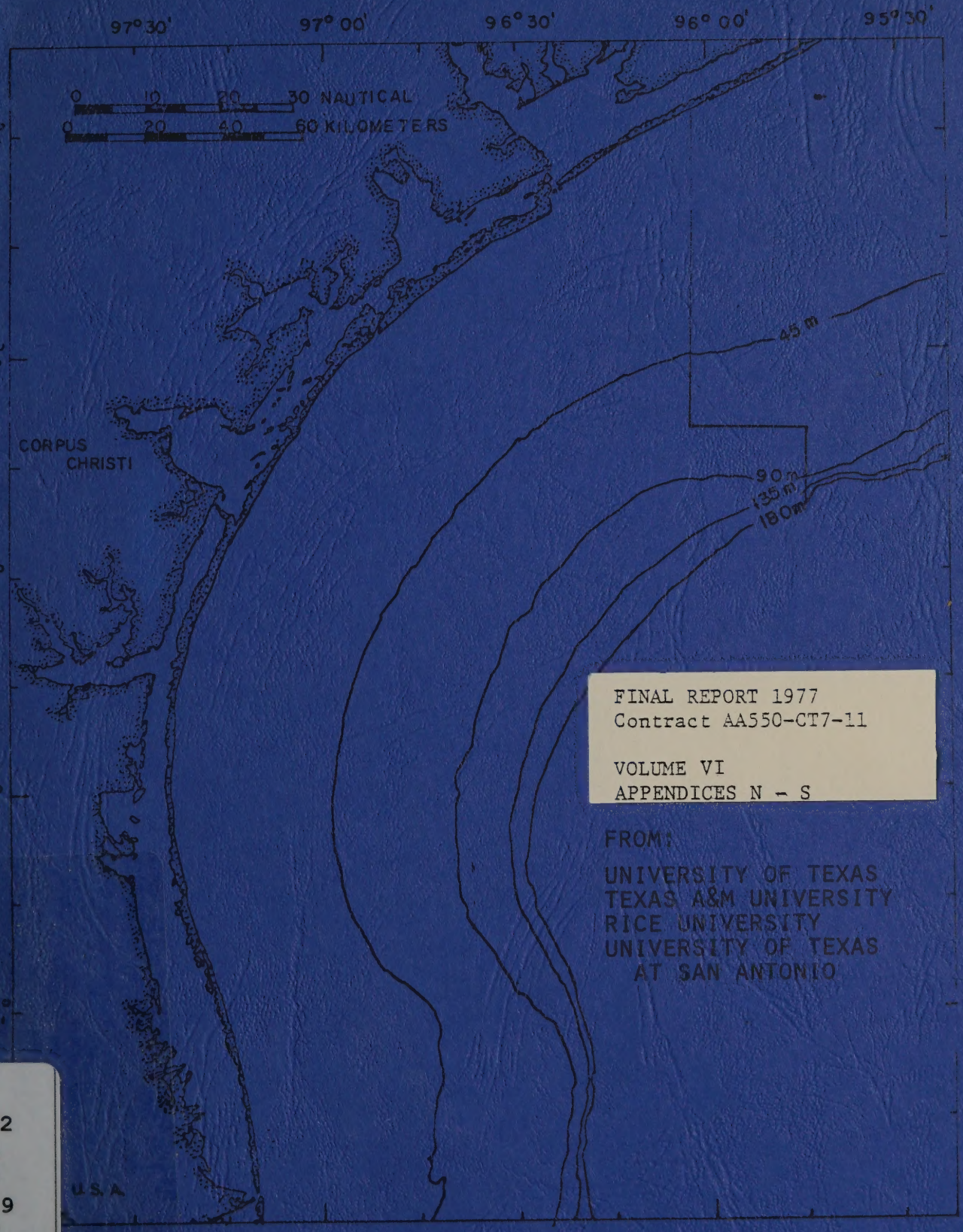

FINAL REPORT 1977
Contract AA550-CT7-11

VOLUME VI
APPENDICES N - S

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ENVIRONMENTAL STUDIES,

SOUTH TEXAS OUTER CONTINENTAL SHELF,

BIOLOGY AND CHEMISTRY

Submitted to:

The Bureau of Land Management
Washington, D. C. 20240

by

The University of Texas Marine Science Institute
Port Aransas Marine Laboratory
Port Aransas, Texas 78373

Acting for and on behalf
of a consortium program
conducted by:

Rice University
Texas A&M University
University of Texas

FINAL REPORT 1977
Contract AA550-CT7-11

VOLUME VI
APPENDICES N - S

January 15, 1979

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NEUSTON PROJECT

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TABLE 1

1977 NEUSTON SAMPLE ANALYSES LISTING
NUMBERS OF INDIVIDUALS PER 1000 m^3 IN EACH SAMPLE

Explanation of Table:

Station: D = Day, N = Night

Concentration Equal to 1 Individuals=Conversion factor used to convert number of individuals actually counted in a given aliquot to number of individuals/1000 m^3 water filtered.

TABLE 1 CONT.'D

WINTER 1977: TRANSECT I: STATION:	1D	2D	3D
FORAMINIFERA			
SIPHONOPHORES			
PHYSALIA			
PORPITA			
VELLELA	0.0	0.0	1680.2
SIPHONOPHORE PARTS	COMMON	COMMON	RARE
MEDUSAE	97.8	151.7	4385.8
CTENOPHORES			
NEMATODES			
POLYCHAETES			
ALCIOPIDAE			
TOMOPTERIDAE			
TYPHLOSCOLECIDAE			
OTHER			
UNIDENTIFIED WORM			
MOLLUSCA			
BIVALVE MEROPLANKTERS			
GASTROPOD MEROPLANKTERS	4.1	0.0	2761.4
GLAUCUS			
JANTHINA SHELLS	0.0	0.0	10.2
JANTHINA BUBBLE RAFTS	0.0	0.0	10.2
HETEROPODS			
ATLANTIDAE			
PTEROTRACHEIDAE			
PTEROPODS	0.0	0.0	487.3
CAVOLINIA GIBBOSA			
CAVOLINIA INFLEXA			
CAVOLINIA LONGIROSTRIS			
CAVOLINIA UNCINATA			
CRESEIS ACICULA	4.1	4246.4	0.0
CRESEIS VIRGULA			
DIACRIA QUADRIDENTATA			
LIMACINA BULIMOIDES	0.0	0.0	162.4
LIMACINA INFLATA	0.0	0.0	162.4
LIMACINA TROCHIFORMIS			
STYLIOLA SUBULA			
HYALOCYLIS STRIATA			
PERACLIS SPP.			
GYMNOSOMES			
OTHER	0.0	0.0	1299.5
CRUSTACEA			
AMPHIPODA	4.1	0.0	0.0
HYPERIIDAE	12.2	462.1	1137.1
PHRONIMIDS			
PHRONIMA COLLETTI			
BARNACLE NAUPLII	69.2	0.0	0.0
BARNACLE CYPRIDS			
DECAPODA			
BRACHYURAN CRABS			
PORTUNID CRABS	0.0	0.0	5.1
CARIDEAN SHRIMP			
LUCIFER FAXONI	8.1	21542.6	812.2
LUCIFER TYPUS			
LARVAE			
ANOMURAN CRAB LARVAE	0.0	0.0	0.0
BRACHYURAN MEGALOPS	0.0	1668.2	2436.5
BRACHYURAN ZOEAS	12.2	303.3	162.4

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT I:

STATION:	1D	2D	3D
(cont.)			
MACRURAN LARVAE	0.0	303.3	2761.4
SHRIMP LARVAE	0.0	303.3	30.5
STOMATOPOD ALIMA LARVAE	4.1	151.7	1137.1
EUPHAUSIIDS	0.0	0.0	487.3
CUMACEA	4.1	0.0	324.9
MYSIDACEA	118.1	0.0	2111.7
OSTRACODA	0.0	606.6	0.0
CLADOCERA			
COPEPODA			
CALANOIDS			
CANDACIA CURTA MALE			
CANDACIA CURTA FEMALE	0.0	0.0	162.4
CANDACIA PACHYDACTYLA MALE			
CANDACIA PACHYDACTYLA FEMALE			
CANDACIA BIPINNATA MALE			
CANDACIA BIPINNATA FEMALE			
CANDACIA SPP.	0.0	0.0	487.3
CENTROPAGES FURCATUS MALE	0.0	0.0	0.0
CENTROPAGES FURCATUS FEMALE	53.0	0.0	162.4
EUCHAETA MARINA MALE	0.0	0.0	162.4
EUCHAETA MARINA FEMALE	8.1	0.0	487.3
EUCHAETA SPP.			
EUCHAETA SPP. IMMATURE	20.4	303.3	2274.1
NANNOCALANUS MINOR	8.1	0.0	12182.7
PLEUROMAMMA PISECKI FEMALE			
PLEUROMAMMA GRACILIS FEMALE	0.0	0.0	162.4
P. GRACILIS + PISECKI MALES			
PLEUROMAMMA ABDOMINALIS IMMATU			
PLEUROMAMMA SPP. IMMATURE			
RHINCALANUS CORNUTUS	0.0	151.7	8600.1
RHINCALANUS UNIDENTIFIED	8.1	0.0	324.9
TEMORA STYLIFERA	12.2	2881.5	1461.9
TEMORA TURBINATA	142.6	1213.3	1624.4
PARACANDACIA BISPINOSA MALE			
PARACANDACIA BISPINOSA FEMALE			
UNDINULA VULGARIS MALE			
UNDINULA VULGARIS FEMALE			
UNDINULA VULGARIS IMMATURES	12.2	0.0	0.0
EUCALANUS ATTENUATUS MALE	0.0	0.0	1461.9
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	1949.2
EUCALANUS ATTENUATUS IMMATURES			
EUCALANUS ELONGATUS MALES			
EUCALANUS ELONGATUS FEMALES			
EUCALANUS ELONGATUS IMMATURES			
EUCALANUS PILEATUS MALES			
EUCALANUS PILEATUS FEMALES			
EUCALANUS PILEATUS IMMATURES			
NEOCALANUS GRACILIS MALES			
NEOCALANUS GRACILIS FEMALES			
NEOCALANUS GRACILIS IMMATURES			
EUCALANUS SPP. MALE			
EUCALANUS SPP. FEMALE	0.0	0.0	8446.7
PONTELLIDS	0.0	0.0	0.0
ANOMALOCERA ORNATA MALE	24.4	13808.1	162.4
ANOMALOCERA ORNATA FEMALE	16.3	8645.9	0.0
ANOMALOCERA ORNATA IMMATURE	346.2	606.6	162.4
CALANOPIA AMERICANA MALE	0.0	0.0	324.9
CALANOPIA AMERICANA FEMALE	28.5	0.0	324.9
LABIDOCERA ACUTIFRONS MALE			
LABIDOCERA ACUTIFRONS FEMALE	4.1	0.0	0.0
LABIDOCERA AESTIVA MALE	16.3	455.0	0.0

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT I:

STATION:	1D	2D	3D
(cont.)			
LABIDOCERA AESTIVA FEMALE	12.2	0.0	0.0
LABIDOCERA SCOTTI MALE			
LABIDOCERA SCOTTI FEMALE			
LABIDOCERA IMMATURE	20.4	0.0	0.0
PONTELLA MEADII MALE			
PONTELLA MEADII FEMALE			
PONTELLA MIMOCERAMI	4.1	0.0	0.0
PONTELLA SECURIFER MALE			
PONTELLA SECURIFER FEMALE			
PONTELLA ATLANTICA MALE			
PONTELLA ATLANTICA FEMALE			
PONTELLA SP. "AM MALE			
PONTELLA SP. "AM FEMALE			
PONTELLA IMMATURE	4.1	0.0	0.0
PONTELLOPSIS VILLOSA MALE	8.1	303.3	0.0
PONTELLOPSIS VILLOSA FEMALE	12.2	151.7	0.0
PONTELLOPSIS IMMATURE	4.1	1364.9	0.0
PONTELLINA PLUMATA MALE			
PONTELLINA PLUMATA FEMALE			
PONTELLINA IMMATURE			
IMMATURE & UNIDENTIFIED CALANOID	130.3	1213.3	12994.9
CYCLOPOIDA	28.5	303.3	3573.6
COPILIA MIRABILIS MALE	0.0	0.0	487.3
COPILIA MIRABILIS FEMALE	0.0	0.0	3086.3
COPILIA QUADRATA MALE			
COPILIA QUADRATA FEMALE			
SAPPHIRINA STELLATA			
SAPPHIRINA NIGROMACULATA			
SAPPHIRINA METALLINA			
SAPPHIRINA SPP.	0.0	0.0	487.3
HARPACTICOIDA			
CALIGOIDA			
COPEPOD NAUPLIUS	0.0	0.0	3086.3
ECHINODERM LARVAE			
CHAETOGNATHS	44.8	4551.6	7959.4
TUNICATES			
DOLIOLIDS	8.1	2274.9	4873.1
LARVACEANS	0.0	303.3	19167.5
SALPS	0.0	0.0	812.2
FISH	18.3	45.0	1979.7
FISH EGGS	8.1	1971.6	1299.5
HALOBATES MICANS			
PLANT STEMS	PRESENT	PRESENT	PRESENT
PLASTIC	PRESENT		PRESENT
SARGASSUM			
SARGASSUM FAUNA			PRESENT
TAR	16.3	0.0	14.7
TERRESTRIAL INSECTS	4.1	0.0	162.4
WOOD	PRESENT		
MISCELLANEOUS DEBRIS	PRESENT		PRESENT
COPEPOD EXOSKELETONS	ABUNDANT		RARE
SHELL FRAGMENTS			
STRING			
FEATHERS			
SEA BEANS (PLANT SEEDS)			
TOTAL NO. PER 1,000 CUBIC METERS	1346.	70299.	123268.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	4.1	151.7	162.4
ALIQUOT SIZE	1/ 2.	1/ 64.	1/ 32.

TABLE 1 CONT.'D

WINTER 1977: TRANSECT I: STATION:	1D	2D	3D
TOTAL NO. PER 1,000 CUBIC METERS	1346.	70298.	123268.
TOTAL MOLLUSCA	8.	4246.	4893.
TOTAL CRUSTACEA	1128.	56441.	65335.
TOTAL DECAPOD LARVAE	12.	2275.	5360.
TOTAL COPEPODA	896.	31100.	53929.
TOTAL ADULT PONTELLIC COPEPODS	126.	23355.	812.
TOTAL IMMATURE PONTELLID COPEPODS	375.	1972.	162.
TOTAL TUNICATES	8.	2578.	24853.
TOTAL FISH	18.	45.	1980.
TOTAL FISH EGGS	8.	1972.	1299.
TAR (GRAMS PER 1,000 CUBIC METERS)	16.29	0.00	14.72

TABLE 1 CONT.'D

WINTER 1977: TRANSECT II:	1D	1N	2D	2N	3D	3N
FORAMINIFERA	0.0	0.0	0.0	0.0	0.0	2.6
SIPHONOPHORES						
PHYSALIA	0.0	8.0	4.4	2.8	5.1	0.0
PORPITA						
VELLELA	0.0	0.0	280.1	717.1	1007.7	7.9
SIPHONOPHORE PARTS	RARE	RARE	COMMON	RARE	COMMON	RARE
MEDUSAE	2612.2	3824.7	175.1	1254.9	92.1	4047.1
CTENOPHORES	0.0	0.0	0.0	0.0	41.0	0.0
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE	0.0	0.0	0.0	179.3	82.1	0.0
OTHER	0.0	0.0	105.0	0.0	369.2	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	331.6	0.0	70.0	358.5	82.1	672.8
GLAUCUS						
JANTHINA SHELLS	0.0	0.0	0.0	0.0	12.8	0.0
JANTHINA BUBBLE RAFTS	0.0	0.0	0.0	0.0	41.0	0.0
HETEROPODS						
ATLANTIDAE						
PTEROTRACHEIDAE	0.0	0.0	0.0	0.0	0.0	2.6
PTEROPODS						
CAVOLINIA GIBBOSA	0.0	0.0	0.0	0.0	2.6	0.0
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	326.5	0.0	1365.4	896.4	779.5	2.6
CRESEIS VIRGULA						
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	255.0	70.0	358.5	0.0	0.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	0.0	0.0	175.1	0.0	2.6	26.2
CRUSTACEA						
AMPHIPODA	0.0	255.0	0.0	179.3	0.0	0.0
HYPERIIDAE	989.8	5609.6	420.1	0.0	287.2	51162.3
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII	1637.8	255.0	0.0	0.0	0.0	2.6
BARNACLE CYPRIDS	0.0	0.0	35.0	0.0	287.2	2.6
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP	0.0	510.0	35.0	0.0	0.0	123.0
LUCIFER FAXONI	326.5	0.0	335.1	358.5	246.2	816.8
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	326.5	0.0	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	989.8	2039.8	420.1	1434.2	246.2	7882.2
BRACHYURAN ZOEAS	0.0	255.0	4026.3	179.3	82.1	1366.5

WINTER 1977: TABLE 1 CONT.'D

TRANSECT II:

(cont.)	1D	1N	2D	2N	3D	3N
MACRURAN LARVAE						
SHRIMP LARVAE	653.1	1274.9	1050.3	1792.7	41.0	14484.3
STOMATOPOD ALIMA LARVAE	0.0	0.0	140.0	0.0	0.0	2.6
EUPHAUSIIDS	0.0	0.0	140.0	717.1	574.4	2696.3
CUMACEA						
MYSIDACEA	0.0	0.0	0.0	0.0	41.0	672.8
OSTRACODA	10178.6	5354.6	175.1	6453.8	287.2	22858.6
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE	0.0	0.0	0.0	0.0	0.0	2.6
CANDACIA CURTA FEMALE	0.0	0.0	35.0	0.0	0.0	2.6
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	0.0	2.6
CENTROPAGES FURCATUS MALE	326.5	510.0	70.0	0.0	82.1	26.2
CENTROPAGES FURCATUS FEMALE	5239.8	1529.9	735.2	358.5	451.3	12212.0
EUCHAETA MARINA MALE	0.0	0.0	140.0	1613.4	0.0	680.6
EUCHAETA MARINA FEMALE	0.0	255.0	105.0	896.4	41.0	675.4
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE	0.0	255.0	420.1	896.4	0.0	1358.6
NANNOCALANUS MINOR	0.0	255.0	210.1	2468.3	0.0	2683.2
PLEUROMAMMA BISECKI FEMALE	0.0	0.0	0.0	179.3	0.0	0.0
PLEUROMAMMA GRACILIS FEMALE	0.0	0.0	0.0	179.3	0.0	670.2
P. GRACILIS + BISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE	0.0	0.0	35.0	179.3	0.0	0.0
RHINCALANUS CORNUTUS	0.0	510.0	700.2	3226.9	1271.8	4785.3
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	331.6	1274.9	2415.8	1434.2	697.4	672.8
TEMORA TURBINATA	25306.1	16828.7	8822.8	1075.6	1682.1	74549.7
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE	0.0	0.0	35.0	179.3	0.0	0.0
EUCALANUS ATTENUATUS FEMALE	0.0	510.0	0.0	896.4	0.0	4020.9
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	0.0	0.0	0.0	537.8	0.0	0.0
EUCALANUS SPP. FEMALE	0.0	0.0	1295.4	179.3	0.0	2580.8
PONTELLIDS	326.5	0.0	0.0	0.0	41.0	0.0
ANOMALOCERA ORNATA MALE	4260.2	3559.7	10223.2	1613.4	0.0	26.2
ANOMALOCERA ORNATA FEMALE	7525.5	5609.6	7457.3	1613.4	0.0	688.5
ANOMALOCERA ORNATA IMMATURE	84612.2	32127.5	8087.6	1434.2	369.2	55955.5
CALANOPIA AMERICANA MALE	0.0	255.0	280.1	4661.1	41.0	6136.1
CALANOPIA AMERICANA FEMALE	0.0	255.0	385.1	7529.4	123.1	4063.1
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	979.6	3059.8	105.0	1792.7	41.0	7557.6

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT II:

(cont.)	1D	1N	2D	2N	3D	3N
LABIDOCERA AESTIVA FEMALE	0.0	1274.9	70.0	358.5	82.1	7418.8
LABIDOCERA SCOTTI MALE	0.0	255.0	0.0	0.0	0.0	0.0
LABIDOCERA SCOTTI FEMALE	0.0	0.0	70.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	1316.3	764.9	245.1	0.0	0.0	0.0
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE						
PONTELLOPSIS VILLOSA MALE	0.0	0.0	280.1	0.0	0.0	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	385.1	0.0	41.0	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	105.0	0.0	0.0	0.0
PONTELLINA PLUMATA MALE	0.0	0.0	35.0	0.0	0.0	0.0
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	3918.4	5864.5	2975.9	10577.0	1928.2	35651.8
CYCLOPOIDA	1316.3	2549.8	1890.6	1254.9	3035.9	2798.4
COPILIA MIRABILIS MALE	0.0	0.0	105.0	0.0	0.0	0.0
COPILIA MIRABILIS FEMALE	0.0	0.0	210.1	0.0	0.0	0.0
COPILIA QUADRATA MALE	0.0	0.0	0.0	0.0	0.0	2.6
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA	0.0	0.0	210.1	0.0	0.0	0.0
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA	0.0	0.0	0.0	0.0	0.0	5.2
CALIGOIDA						
COPEPOD NAUPLIUS	0.0	0.0	70.0	0.0	0.0	2680.6
ECHINODERM LARVAE						
CHAETOGNATHS	6260.2	15043.3	17920.5	12549.0	5007.7	12986.9
TUNICATES						
DOLIOLIDS	326.5	255.0	2485.8	2330.5	2297.4	6735.6
LARVACEANS	0.0	0.0	105.0	0.0	1723.1	21007.8
SALPS	0.0	0.0	0.0	0.0	0.0	7.9
FISH	643.3	1047.8	70.0	1089.6	359.0	774.9
FISH EGGS	653.1	1019.9	2380.7	1254.9	7179.5	2701.6
HALOBATES MICANS						
PLANT STEMS	PRESENT		PRESENT			
PLASTIC			PRESENT	PRESENT		PRESENT
SARGASSUM				PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA					PRESENT	PRESENT
TAR	21.9	0.0	8.1	26.3	6.9	2.6
TERRESTRIAL INSECTS	5.1	4.0	0.0	0.0	2.6	0.0
WOOD	PRESENT		PRESENT	PRESENT		
MISCELLANEOUS DEBRIS	PRESENT					
COPEPOD EXOSKELETONS	RARE	RARE	COMMON	RARE	COMMON	RARE
SHELL FRAGMENTS					PRESENT	
STRING						
FEATHERS	PRESENT					
SEA BEANS (PLANT SEEDS)	PRESENT			PRESENT		
TOTAL NO. PER 1,000 CUBIC METERS	161739.	114525.	80144.	77541.	31937.	379059.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	326.5	255.0	35.0	179.3	41.0	670.2
ALIQUOT SIZE	1/ 64.	1/ 64.	1/ 16.	1/ 64.	1/ 16.	1/256.

TABLE 1 CONT.'D

WINTER 1977: TRANSECT II:	1D	1N	2D	2N	3D	3N
TOTAL NO. PER 1,000 CUBIC METERS	161739.	114525.	80144.	77641.	31997.	379059.
TOTAL MOLLUSCA	658.	255.	1681.	1613.	921.	704.
TOTAL CRUSTACEA	149245.	90518.	52551.	55395.	8985.	324596.
TOTAL DECAPOD LARVAE	1969.	3570.	5437.	3406.	369.	23733.
TOTAL COPEPODA	134143.	74964.	45724.	44280.	6892.	222526.
TOTAL ADULT PONTELLID COPEPODS	13092.	14279.	19291.	17569.	369.	25895.
TOTAL IMMATURE PONTELLID COPEPODS	85929.	32892.	8438.	1434.	369.	55955.
TOTAL TUNICATES	327.	255.	2591.	2331.	4021.	27751.
TOTAL FISH	663.	1048.	70.	1090.	359.	775.
TOTAL FISH EGGS	653.	1020.	2381.	1255.	7179.	2702.
TAR (GRAMS PER 1,000 CUBIC METERS)	21.94	0.00	8.10	26.33	6.92	2.62

TABLE 1 CONT.'D

WINTER 1977: TRANSECT III: STATION:	1D	2D	3D
FORAMINIFERA	0.0	0.0	40.0
SIPHONOPHORES			
PHYSALIA	0.0	23.7	0.0
PORPITA			
VELLELA	0.0	63.2	300.0
SIPHONOPHORE PARTS		COMMON	COMMON
MEDUSAE	14317.7	0.0	20.0
CTENOPHORES			
NEMATODES			
POLYCHAETES			
ALCIOPIDAE			
TOMOPTERIDAE			
TYPHLOSCOLECIDAE			
OTHER			
UNIDENTIFIED WORM			
MOLLUSCA			
BIVALVE MEROPLANKTERS	0.0	0.0	20.0
GASTROPOD MEROPLANKTERS	0.0	0.0	20.0
GLAUCUS			
JANTHINA SHELLS			
JANTHINA BUBBLE RAFTS			
HETEROPODS			
ATLANTIDAE			
PTEROTRACHEIDAE			
PTEROPODS			
CAVOLINIA GIBBOSA			
CAVOLINIA INFLEXA			
CAVOLINIA LONGIROSTRIS			
CAVOLINIA UNCINATA			
CRESEIS ACICULA	0.0	347.8	0.0
CRESEIS VIRGULA			
DIACRIA QUADRIDENTATA	0.0	0.0	20.0
LIMACINA BULIMOIDES			
LIMACINA INFLATA			
LIMACINA TROCHIFORMIS			
STYLIOLA SUBULA			
HYALOCYLIS STRIATA			
PERACLIS SPP.			
GYMNOSOMES			
OTHER	0.0	31.6	20.0
CRUSTACEA			
AMPHIPODA	0.0	0.0	40.0
HYPERIIDAE	1574.9	0.0	0.0
PHRONIMIDS			
PHRONIMA COLLETTI			
BARNACLE NAUPLII	143.2	0.0	0.0
BARNACLE CYPRIDS	0.0	505.9	520.0
DECAPODA			
BRACHYURAN CRABS			
PORTUNID CRABS			
CARIDEAN SHRIMP			
LUCIFER FAXONI	0.0	0.0	180.0
LUCIFER TYPUS			
LARVAE			
ANOMURAN CRAB LARVAE	0.0	0.0	0.0
BRACHYURAN MEGALOPS	0.0	0.0	60.0
BRACHYURAN ZOEAS	859.1	158.1	40.0

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT III:

STATION: (cont.)	1D	2D	3D
MACRURAN LARVAE			
SHRIMP LARVAE	143.2	63.2	200.0
STOMATOPOD ALIMA LARVAE			
EUPHAUSIIDS	0.0	0.0	20.0
CUMACEA	0.0	0.0	290.0
MYSIDACEA	0.0	0.0	40.0
OSTRACODA	0.0	63.2	80.0
CLADOCERA			
COPEPODA			
CALANOIDS			
CANDACIA CURTA MALE	0.0	31.6	0.0
CANDACIA CURTA FEMALE			
CANDACIA PACHYCACTYLA MALE			
CANDACIA PACHYCACTYLA FEMALE			
CANDACIA BIPINNATA MALE			
CANDACIA BIPINNATA FEMALE			
CANDACIA SPP.			
CENTROPAGES FURCATUS MALE	0.0	0.0	0.0
CENTROPAGES FURCATUS FEMALE	3149.9	0.0	0.0
EUCHAETA MARINA MALE	0.0	0.0	40.0
EUCHAETA MARINA FEMALE	0.0	0.0	20.0
EUCHAETA SPP.			
EUCHAETA SPP. IMMATURE	0.0	0.0	20.0
NANNOCALANUS MINOR	0.0	126.5	40.0
PLEUROMAMMA PISECKI FEMALE	0.0	0.0	60.0
PLEUROMAMMA GRACILIS FEMALE			
P. GRACILIS + PISECKI MALES			
PLEUORMAMMA ABDOMINALIS IMMATU			
PLEUROMAMMA SPP. IMMATURE			
RHINCALANUS CORNUTUS	0.0	94.9	480.0
RHINCALANUS UNIDENTIFIED			
TEMORA STYLIFERA	715.9	0.0	0.0
TEMORA TURBINATA	2720.4	94.9	40.0
PARACANDACIA BISPINOSA MALE			
PARACANDACIA BISPINOSA FEMALE			
UNDINULA VULGARIS MALE			
UNDINULA VULGARIS FEMALE			
UNDINULA VULGARIS IMMATURES			
EUCALANUS ATTENUATUS MALE			
EUCALANUS ATTENUATUS FEMALE	0.0	31.6	80.0
EUCALANUS ATTENUATUS IMMATURES			
EUCALANUS ELONGATUS MALES			
EUCALANUS ELONGATUS FEMALES			
EUCALANUS ELONGATUS IMMATURES			
EUCALANUS PILEATUS MALES			
EUCALANUS PILEATUS FEMALES			
EUCALANUS PILEATUS IMMATURES			
NEOCALANUS GRACILIS MALES			
NEOCALANUS GRACILIS FEMALES			
NEOCALANUS GRACILIS IMMATURES			
EUCALANUS SPP. MALE			
EUCALANUS SPP. FEMALE	0.0	0.0	340.0
PONTELLIDS	0.0	0.0	0.0
ANOMALOCERA ORNATA MALE	859.1	7583.9	60.0
ANOMALOCERA ORNATA FEMALE	1145.4	3762.8	0.0
ANOMALOCERA ORNATA IMMATURE	23778.5	3573.1	60.0
CALANOPIA AMERICANA MALE			
CALANOPIA AMERICANA FEMALE	0.0	63.2	0.0
LABIDOCERA ACUTIFRONS MALE			
LABIDOCERA ACUTIFRONS FEMALE	0.0	31.6	0.0
LABIDOCERA AESTIVA MALE	0.0	0.0	0.0

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT III:

STATION: (cont.)	1D	2D	3D
LABIDOCERA AESTIVA FEMALE	429.5	31.6	0.0
LABIDOCERA SCOTTI MALE			
LABIDOCERA SCOTTI FEMALE			
LABIDOCERA IMMATURE	572.7	0.0	0.0
PONTELLA MEADII MALE			
PONTELLA MEADII FEMALE			
PONTELLA MIMOCERAMI	0.0	31.6	0.0
PONTELLA SECURIFER MALE			
PONTELLA SECURIFER FEMALE	0.0	31.6	0.0
PONTELLA ATLANTICA MALE			
PONTELLA ATLANTICA FEMALE			
PONTELLA SP. "A" MALE			
PONTELLA SP. "A" FEMALE			
PONTELLA IMMATURE			
PONTELLOPSIS VILLOSA MALE	0.0	158.1	40.0
PONTELLOPSIS VILLOSA FEMALE	0.0	94.9	20.0
PONTELLOPSIS IMMATURE	0.0	94.9	0.0
PONTELLINA PLUMATA MALE			
PONTELLINA PLUMATA FEMALE			
PONTELLINA IMMATURE			
IMMATURE & UNIDENTIFIED CALANOID	3293.1	379.4	1340.0
CYCLOPOIDA	143.2	63.2	200.0
COPILIA MIRABILIS MALE	0.0	0.0	40.0
COPILIA MIRABILIS FEMALE			
COPILIA QUADRATA MALE			
COPILIA QUADRATA FEMALE	0.0	0.0	20.0
SAPPHIRINA STELLATA	0.0	0.0	20.0
SAPPHIRINA NIGROMACULATA			
SAPPHIRINA METALLINA			
SAPPHIRINA SPP.			
HARPACTICOIDA			
CALIGOIDA			
COPEPOD NAUPLIUS			
ECHINODERM LARVAE	0.0	0.0	40.0
CHAETOGNATHS	2147.7	940.2	2300.0
TUNICATES			
DOLIOLIDS	0.0	411.1	800.0
LARVACEANS	0.0	63.2	460.0
SALPS			
FISH	624.2	33.5	2.5
FISH EGGS	143.2	727.3	1320.0
HALOBATES MICANS			
PLANT STEMS	PRESENT	PRESENT	
PLASTIC	PRESENT		
SARGASSUM		PRESENT	PRESENT
SARGASSUM FAUNA			
TAR	5.6	15.0	1.5
TERRESTRIAL INSECTS	2.2	0.0	0.0
WOOD			
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE	RARE	RARE
SHELL FRAGMENTS			
STRING			
FEATHERS	PRESENT		
SEA BEANS (PLANT SEEDS)			
TOTAL NO. PER 1,000 CUBIC METERS	61763.	19757.	9743.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	143.2	31.6	20.0
ALIQUOT SIZE	1/ 64.	1/ 16.	1/ 8.

TABLE 1 CONT.'D

WINTER 1977: TRANSECT III: STATION:	1D	2D	3D
TOTAL NO. PER 1.000 CUBIC METERS	61763.	19757.	9743.
TOTAL MOLLUSCA	0.	379.	80.
TOTAL CRUSTACEA	44395.	17012.	4100.
TOTAL DECAPOD LARVAE	1002.	221.	300.
TOTAL COPEPODA	41664.	16221.	2640.
TOTAL ADULT PONTELLID COPEPODS	2434.	11794.	120.
TOTAL IMMATURE PONTELLID COPEPODS	29351.	3668.	60.
TOTAL TUNICATES	0.	474.	1260.
TOTAL FISH	624.	34.	3.
TOTAL FISH EGGS	143.	727.	1320.
TAR (GRAMS PER 1.000 CUBIC METERS)	5.59	14.98	1.50

TABLE 1 CONT.'D

WINTER 1977: TRANSECT IV: STATION::	1D	2D	3D
FORAMINIFERA			
SIPHONOPHORES			
PHYSALIA	0.0	149.8	14.7
PORPITA	0.0	4.0	0.0
VELLELA	0.0	0.0	155.4
SIPHONOPHORE PARTS	RARE	RARE	RARE
MEDUSAE	0.0	0.0	938.4
CTENOPHORES			
NEMATODES			
POLYCHAETES			
ALCIOPIDAE			
TOMOPTERIDAE			
TYPHLOSCOLECIDAE			
OTHER			
UNIDENTIFIED WORM			
MOLLUSCA			
BIVALVE MEROPLANKTERS			
GASTROPOD MEROPLANKTERS	0.0	259.1	2530.6
GLAUCUS			
JANTHINA SHELLS	0.0	0.0	2.9
JANTHINA BUBBLE RAFTS			
HETEROPODS			
ATLANTIDAE			
PTEROTRACHEIDAE			
PTEROPODS			
CAVOLINIA GIBBOSA			
CAVOLINIA INFLEXA			
CAVOLINIA LONGIROSTRIS			
CAVOLINIA UNCINATA			
CRESEIS ACICULA	0.0	259.1	187.7
CRESEIS VIRGULA			
DIACRIA QUADRIDENTATA			
LIMACINA BULIMOIDES			
LIMACINA INFLATA	0.0	0.0	46.9
LIMACINA TROCHIFORMIS			
STYLIOLA SUBULA			
HYALOCYLIS STRIATA			
PERACLIS SPP.			
GYMNOSOMES			
OTHER			
CRUSTACEA			
AMPHIPODA			
HYPERIIDAE	0.0	0.0	281.5
PHRONIMIDS			
PHRONIMA COLLETTI			
BARNACLE NAUPLII	0.0	0.0	0.0
BARNACLE CYPRIDS	0.0	0.0	516.1
DECAPODA			
BRACHYURAN CRABS			
PORTUNID CRABS			
CARIDEAN SHRIMP			
LUCIFER FAXONI	0.0	11141.7	140.8
LUCIFER TYPUS			
LARVAE			
ANOMURAN CRAB LARVAE	0.0	0.0	0.0
BRACHYURAN MEGALOPS	0.0	0.0	46.9
BRACHYURAN ZOEAS	0.0	777.3	140.8

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT IV:

STATION:	1D	2D	3D
(cont.)			
MACRURAN LARVAE			
SHRIMP LARVAE	0.0	259.1	46.9
STOMATOPOD ALIMA LARVAE			
EUPHAUSIIDS	0.0	0.0	93.8
CUMACEA	0.0	0.0	46.9
MYSIDACEA			
OSTRACODA	0.0	0.0	750.7
CLADOCERA			
COPEPODA			
CALANOIDS			
CANDACIA CURTA MALE	0.0	0.0	187.7
CANDACIA CURTA FEMALE	0.0	0.0	46.9
CANDACIA PACHYDACTYLA MALE			
CANDACIA PACHYDACTYLA FEMALE			
CANDACIA BIPINNATA MALE			
CANDACIA BIPINNATA FEMALE			
CANDACIA SPP.	0.0	0.0	281.5
CENTROPAGES FURCATUS MALE	0.0	0.0	281.5
CENTROPAGES FURCATUS FEMALE	0.0	518.2	2205.3
EUCHAETA MARINA MALE	0.0	0.0	46.9
EUCHAETA MARINA FEMALE	0.0	0.0	93.8
EUCHAETA SPP.			
EUCHAETA SPP. IMMATURE	0.0	0.0	422.3
NANNOCALANUS MINOR	0.0	0.0	1501.5
PLEUROMAMMA BISECKI FEMALE			
PLEUROMAMMA GRACILIS FEMALE			
P. GRACILIS + BISECKI MALES			
PLEUORMAMMA ABDOMINALIS IMMATU			
PLEUROMAMMA SPP. IMMATURE			
RHINCALANUS CORNUTUS	0.0	0.0	140.8
RHINCALANUS UNIDENTIFIED			
TEMORA STYLIFERA	0.0	259.1	93.8
TEMORA TURBINATA	691.9	2332.0	750.7
PARACANDACIA BISPINOSA MALE			
PARACANDACIA BISPINOSA FEMALE			
UNDINULA VULGARIS MALE			
UNDINULA VULGARIS FEMALE			
UNDINULA VULGARIS IMMATURES			
EUCALANUS ATTENUATUS MALE			
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	187.7
EUCALANUS ATTENUATUS IMMATURES			
EUCALANUS ELONGATUS MALES			
EUCALANUS ELONGATUS FEMALES			
EUCALANUS ELONGATUS IMMATURES			
EUCALANUS PILEATUS MALES			
EUCALANUS PILEATUS FEMALES			
EUCALANUS PILEATUS IMMATURES			
NEOCALANUS GRACILIS MALES			
NEOCALANUS GRACILIS FEMALES			
NEOCALANUS GRACILIS IMMATURES			
EUCALANUS SPP. MALE	0.0	0.0	281.5
EUCALANUS SPP. FEMALE	0.0	0.0	1407.6
PONTELLIDS	0.0	0.0	0.0
ANOMALOCERA ORNATA MALE	11767.6	60830.7	234.6
ANOMALOCERA ORNATA FEMALE	31137.8	47157.9	328.4
ANOMALOCERA ORNATA IMMATURE	362608.1	852210.3	328.4
CALANOPIA AMERICANA MALE			
CALANOPIA AMERICANA FEMALE	691.9	0.0	234.6
LABIDOCERA ACUTIFRONS MALE			
LABIDOCERA ACUTIFRONS FEMALE			
LABIDOCERA AESTIVA MALE	0.0	0.0	234.6

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT IV:

STATION:	1D	2D	3D
(cont.)			
LABIDOCERA AESTIVA FEMALE	0.0	259.1	234.6
LABIDOCERA SCOTTI MALE			
LABIDOCERA SCOTTI FEMALE			
LABIDOCERA IMMATURE	0.0	0.0	93.8
PONTELLA MEADII MALE			
PONTELLA MEADII FEMALE			
PONTELLA MIMOCERAMI			
PONTELLA SECURIFER MALE			
PONTELLA SECURIFER FEMALE			
PONTELLA ATLANTICA MALE			
PONTELLA ATLANTICA FEMALE			
PONTELLA SP. "A" MALE			
PONTELLA SP. "A" FEMALE			
PONTELLA IMMATURE			
PONTELLOPSIS VILLOSA MALE	0.0	518.2	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	259.1	0.0
PONTELLOPSIS IMMATURE			
PONTELLINA PLUMATA MALE			
PONTELLINA PLUMATA FEMALE			
PONTELLINA IMMATURE			
IMMATURE & UNIDENTIFIED CALANOID	0.0	2850.2	1689.1
CYCLOPOIDA	1383.8	0.0	1642.2
COPILIA MIRABILIS MALE	0.0	0.0	46.9
COPILIA MIRABILIS FEMALE	0.0	0.0	563.0
COPILIA QUADRATA MALE			
COPILIA QUADRATA FEMALE			
SAPPHIRINA STELLATA	0.0	0.0	140.8
SAPPHIRINA NIGROMACULATA			
SAPPHIRINA METALLINA			
SAPPHIRINA SPP.			
HARPACTICOIDA			
CALIGOIDA			
COPEPOD NAUPLIUS			
ECHINODERM LARVAE			
CHAETOGNATHS	0.0	4404.9	8915.0
TUNICATES			
DOLIOLIDS	691.9	518.2	4259.8
LARVACEANS	0.0	0.0	1876.8
SALPS	0.0	0.0	231.5
FISH	8.1	54.8	46.9
FISH EGGS	0.0	3627.5	4129.0
HALOBATES MICANS			
PLANT STEMS	PRESENT	PRESENT	PRESENT
PLASTIC		PRESENT	
SARGASSUM			PRESENT
SARGASSUM FAUNA			PRESENT
TAR	0.0	6.1	0.6
TERRESTRIAL INSECTS	0.0	0.0	46.9
WOOD	PRESENT	PRESENT	PRESENT
MISCELLANEOUS DEBRIS		PRESENT	PRESENT
COPEPOD EXOSKELETONS		RARE	RARE
SHELL FRAGMENTS		PRESENT	
STRING	PRESENT		
FEATHERS			
SEA BEANS (PLANT SEEDS)		PRESENT	
TOTAL NO. PER 1,000 CUBIC METERS	408981.	988720.	39258.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	691.9	259.1	46.9
ALIQUOT SIZE	1/256.	1/ 64.	1/ 16.

TABLE 1 CONT.'D

WINTER 1977: TRANSECT IV: STATION::	1D	2D	3D
TOTAL NO. PER 1,000 CUBIC METERS	408981.	988720.	39258.
TOTAL MOLLUSCA	0.	518.	2818.
TOTAL CRUSTACEA	406897.	979433.	13372.
TOTAL DECAPOD LARVAE	0.	1036.	235.
TOTAL COPEPODA	406897.	967255.	11308.
TOTAL ADULT PONTELLID COPEPODS	43597.	109085.	1267.
TOTAL IMMATURE PONTELLID COPEPODS	362608.	852210.	422.
TOTAL TUNICATES	692.	518.	6428.
TOTAL FISH	8.	65.	47.
TOTAL FISH EGGS	0.	3628.	4129.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.00	6.07	0.59

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION ID:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA				
SIPHONOPHORES				
PHYSALIA	20.0	0.0	0.0	0.0
PORPITA	0.0	20.0	0.0	10.0
VELLELA	40.0	20.0	30.0	80.0
SIPHONOPHORE PARTS	RARE	RARE	RARE	RARE
MEDUSAE	0.0	0.0	0.0	30.0
CTENOPHORES	10.0	10.0	0.0	10.0
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER				
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS				
GLAUCUS				
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS				
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	0.0	10.0	640.0	0.0
CRUSTACEA				
AMPHIPODA	640.0	650.0	0.0	0.0
HYPERIIDAE	0.0	640.0	640.0	0.0
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS	0.0	0.0	0.0	640.0
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS	0.0	0.0	0.0	10.0
CARIDEAN SHRIMP	0.0	0.0	0.0	10.0
LUCIFER FAXONI	0.0	0.0	0.0	640.0
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	0.0	1280.0	2560.0	640.0
BRACHYURAN ZOEAS	0.0	640.0	0.0	0.0

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 1D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE				
STOMATOPOD ALIMA LARVAE	240.0	210.0	200.0	800.0
EUPHAUSIIDS				
CUMACEA				
MYSIDACEA				
OSTRACODA	640.0	640.0	0.0	1280.0
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE				
CENTROPAGES FURCATUS FEMALE				
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR				
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA				
TEMORA TURBINATA				
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS SPP. MALE	640.0	0.0	0.0	0.0
EUCALANUS SPP. FEMALE				
PONTELLIDS				
ANOMALOCERA ORNATA MALE	308480.0	279680.0	352640.0	344960.0
ANOMALOCERA ORNATA FEMALE	151680.0	131200.0	186240.0	174720.0
ANOMALOCERA ORNATA IMMATURE	28800.0	19840.0	25600.0	28160.0
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	640.0	0.0	640.0	0.0
LABIDOCERA AESTIVA FEMALE	0.0	0.0	640.0	0.0
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE				
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 1D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	0.0	0.0	640.0	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	640.0	0.0
PONTELLOPSIS IMMATURE				
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	0.0	640.0	0.0	1280.0
CYCLOPOIDA	0.0	640.0	0.0	0.0
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	0.0	640.0	1920.0	640.0
TUNICATES				
DOLIOLIDS				
LARVACEANS				
SALPS	0.0	0.0	0.0	10.0
FISH	0.0	50.0	0.0	0.0
FISH EGGS	640.0	0.0	2560.0	640.0
HALOBATES MICANS				
PLANT STEMS		PRESENT		
PLASTIC			PRESENT	PRESENT
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT
TAR	220.0	270.0	320.0	270.0
TERRESTRIAL INSECTS	30.0	660.0	660.0	650.0
WOOD	PRESENT	PRESENT	PRESENT	
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS				
SHELL FRAGMENTS	PRESENT			
STRING				
FEATHERS		PRESENT		PRESENT
SEA BEANS (PLANT SEEDS)	PRESENT			
TOTAL NO. PER 1.000 CUBIC METERS	492500.	437470.	576250.	555210.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	640.0	640.0	640.0	640.0
ALIQUOT SIZE	1/ 64.	1/ 64.	1/ 64.	1/ 64. 1/

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 10:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	492500.	437470.	576250.	555210.
TOTAL MOLLUSCA	0.	10.	640.	0.
TOTAL CRUSTACEA	491760.	436060.	570440.	553140.
TOTAL DECAPOD LARVAE	0.	1920.	2560.	640.
TOTAL COPEPODA	490240.	432000.	567040.	549120.
TOTAL ADULT PONTELLID COPEPODS	460800.	410880.	541440.	519680.
TOTAL IMMATURE PONTELLID COPEPODS	28800.	19840.	25600.	28160.
TOTAL TUNICATES	0.	0.	0.	10.
TOTAL FISH	0.	50.	0.	0.
TOTAL FISH EGGS	640.	0.	2560.	640.
TAR (GRAMS PER 1,000 CUBIC METERS)	220.00	270.00	320.00	270.00

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 1N:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA				
SIPHONOPHORES				
PHYSALIA	17.2	25.9	0.0	8.6
PORPITA				
VELLELA	551.7	413.8	25.9	439.7
SIPHONOPHORE PARTS	RARE	RARE	RARE	RARE
MEDUSAE	413.8	827.6	965.5	137.9
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER	0.0	137.9	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	2620.7	827.6	827.6	551.7
GLAUCUS				
JANTHINA SHELLS	0.0	0.0	8.6	0.0
JANTHINA BUBBLE RAFTS	0.0	0.0	8.6	0.0
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	137.9	0.0	0.0	0.0
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	17.2	0.0	0.0	0.0
CRUSTACEA				
AMPHIPODA	275.9	137.9	137.9	137.9
HYPERIIDAE	33655.2	16413.8	18344.8	28965.5
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS	0.0	0.0	137.9	0.0
DECAPODA				
BRACHYURAN CRABS	413.8	0.0	0.0	0.0
PORTUNID CRABS	0.0	0.0	137.9	0.0
CARIDEAN SHRIMP	275.9	689.7	827.6	413.8
LUCIFER FAXONI	689.7	827.6	1241.4	551.7
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE	965.5	413.8	689.7	827.6
BRACHYURAN MEGALOPS	27034.5	20689.7	33931.0	29655.2
BRACHYURAN ZOEAS	3448.3	0.0	4275.9	3448.3

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 1N:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	3862.1	3448.3	2758.6	3448.3
STOMATOPOD ALIMA LARVAE	137.9	413.8	275.9	137.9
EUPHAUSIIDS	137.9	137.9	275.9	275.9
CUMACEA				
MYSIDACEA	551.7	689.7	137.9	413.8
OSTRACODA	413.8	275.9	0.0	137.9
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	551.7	689.7	551.7	275.9
CENTROPAGES FURCATUS FEMALE	5793.1	8413.8	7310.3	11586.2
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE	0.0	137.9	0.0	0.0
NANNOCALANUS MINOR	0.0	0.0	137.9	137.9
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS	275.9	689.7	413.8	551.7
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	0.0	413.8	0.0	413.8
TEMORA TURBINATA	137.9	275.9	0.0	275.9
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	0.0	137.9
EUCALANUS SPP. MALE	0.0	0.0	0.0	137.9
EUCALANUS SPP. FEMALE	275.9	137.9	0.0	137.9
PONTELLIDS				
ANOMALOCERA ORNATA MALE	14069.0	11172.4	16965.5	10206.9
ANOMALOCERA ORNATA FEMALE	9931.0	7586.2	12000.0	7862.1
ANOMALOCERA ORNATA IMMATURE	551.7	1103.4	1241.4	827.6
CALANOPIA AMERICANA MALE	0.0	0.0	0.0	137.9
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	1379.3	1517.2	1379.3	1655.2
LABIDOCERA AESTIVA FEMALE	275.9	551.7	413.8	275.9
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	275.9	137.9	137.9	275.9
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 1N:

(cont.)

	NET 1	NET 2	NET 3	NET 4
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE				
PONTELLOPSIS VILLOSA FEMALE				
PONTELLOPSIS IMMATURE				
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE	137.9	0.0	0.0	0.0
IMMATURE & UNIDENTIFIED CALANOID	6482.8	4137.9	4275.9	4827.6
CYCLOPOIDA	275.9	0.0	0.0	413.8
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA	137.9	0.0	0.0	0.0
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	7586.2	9241.4	11862.1	6344.8
TUNICATES				
DOLIOLIDS	275.9	137.9	137.9	551.7
LARVACEANS	137.9	413.8	275.9	551.7
SALPS				
FISH	275.9	25.9	137.9	0.0
FISH EGGS	137.9	275.9	551.7	965.5
HALOBATES MICANS				
PLANT STEMS	PRESENT			
PLASTIC			PRESENT	
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA			PRESENT	PRESENT
TAR	7.8	4.3	2.6	2.6
TERRESTRIAL INSECTS	569.0	422.4	422.4	413.8
WOOD	PRESENT	PRESENT	PRESENT	PRESENT
MISCELLANEOUS DEBRIS				
COPEPOD EXOSKELETONS		RARE	RARE	PRESENT
SHELL FRAGMENTS	PRESENT			
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				PRESENT
TOTAL NO. PER 1,000 CUBIC METERS	125154.	93853.	123223.	118516.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	137.9	137.9	137.9	137.9
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16. 1/

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION IN:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	125154.	93853.	123223.	118516.
TOTAL MOLLUSCA	2776.	828.	845.	552.
TOTAL CRUSTACEA	112413.	81103.	108000.	108551.
TOTAL DECAPOD LARVAE	35310.	24552.	41655.	37379.
TOTAL COPEPODA	40552.	36965.	44828.	40138.
TOTAL ADULT PONTELLID COPEPODS	25655.	20828.	30759.	20138.
TOTAL IMMATURE PONTELLID COPEPODS	966.	1241.	1379.	1103.
TOTAL TUNICATES	414.	552.	414.	1103.
TOTAL FISH	276.	26.	138.	0.
TOTAL FISH EGGS	138.	276.	552.	966.
TAR (GRAMS PER 1,000 CUBIC METERS)	7.76	4.31	2.59	2.59

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 2D:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	0.0	415.6	207.8	207.8
SIPHONOPHORES				
PHYSALIA	51.9	90.9	39.0	39.0
PORPITA				
VELLELA	428.6	701.3	558.4	675.3
SIPHONOPHORE PARTS	RARE		RARE	COMMON
MEDUSAE				
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER	207.8	0.0	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS				
GLAUCUS				
JANTHINA SHELLS	0.0	0.0	220.8	0.0
JANTHINA BUBBLE RAFTS	0.0	26.0	0.0	0.0
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA	415.6	415.6	207.8	0.0
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS				
STYLICLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER				
CRUSTACEA				
AMPHIPODA	0.0	207.8	0.0	0.0
HYPERIIDAE	831.2	415.6	0.0	0.0
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS	1039.0	831.2	207.8	831.2
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS				
CARIDEAN SHRIMP	0.0	0.0	0.0	415.6
LUCIFER FAXONI	0.0	0.0	207.8	0.0
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	207.8	207.8	207.8	207.8
BRACHYURAN ZOEAS	207.8	0.0	0.0	0.0

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 2D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE				
STOMATOPOD ALIMA LARVAE				
EUPHAUSIIDS				
CUMACEA				
MYSIDACEA	0.0	0.0	0.0	415.6
OSTRACODA	0.0	207.8	0.0	0.0
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE	0.0	0.0	207.8	0.0
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE				
CENTROPAGES FURCATUS FEMALE	0.0	207.8	207.8	415.6
EUCHAETA MARINA MALE	0.0	207.8	0.0	0.0
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	207.8	207.8	0.0	0.0
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS	415.6	207.8	207.8	0.0
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA				
TEMORA TURBINATA				
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS SPP. MALE				
EUCALANUS SPP. FEMALE				
PONTELLIDS				
ANOMALOCERA ORNATA MALE	28259.7	39688.3	42805.2	40311.7
ANOMALOCERA ORNATA FEMALE	45506.5	25766.2	28051.9	25974.0
ANOMALOCERA ORNATA IMMATURE	17562.3	14961.0	15792.2	17246.8
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	207.8	207.8	0.0	0.0
LABIDOCERA AESTIVA FEMALE	0.0	207.8	0.0	0.0
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE				
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MIMOCERAMI	207.8	0.0	0.0	0.0
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 2D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	207.8	0.0	415.6	207.8
PONTELLOPSIS VILLOSA FEMALE	207.8	0.0	0.0	207.8
PONTELLOPSIS IMMATURE	207.8	0.0	0.0	0.0
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	0.0	831.2	207.8	0.0
CYCLOPOIDA	0.0	0.0	207.8	415.6
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS				
TUNICATES				
DOLIOLIDS	3740.3	5818.2	3948.1	4779.2
LARVACEANS	0.0	0.0	207.8	0.0
SALPS				
FISH	26.0	0.0	0.0	26.0
FISH EGGS	34909.1	43013.0	50285.7	41974.0
HALOBATES MICANS				
PLANT STEMS				
PLASTIC	PRESENT		PRESENT	
SARGASSUM	PRESENT		PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT		PRESENT
TAR	66.2	49.4	81.8	75.3
TERRESTRIAL INSECTS	13.0	13.0	207.8	13.0
WOOD				
MISCELLANEOUS DEBRIS				PRESENT
COPEPOD EXOSKELETONS			RARE	RARE
SHELL FRAGMENTS				PRESENT
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	135169.	134857.	144610.	134363.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	207.8	207.8	207.8	207.8
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16. 1/

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 20:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	135169.	134857.	144610.	134363.
TOTAL MOLLUSCA	416.	442.	429.	0.
TOTAL CRUSTACEA	95376.	84363.	88727.	86649.
TOTAL DECAPOD LARVAE	416.	208.	208.	208.
TOTAL COPEPODA	93091.	82493.	88104.	84779.
TOTAL ADULT PONTELLID COPEPODS	74597.	65870.	71273.	66701.
TOTAL IMMATURE PONTELLID COPEPODS	17870.	14961.	15792.	17247.
TOTAL TUNICATES	3740.	5818.	4156.	4779.
TOTAL FISH	26.	0.	0.	26.
TOTAL FISH EGGS	34909.	43013.	50286.	41974.
TAR (GRAMS PER 1,000 CUBIC METERS)	66.23	49.35	81.82	75.32

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 2N:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	0.0	320.0	320.0	160.0
SIPHONOPHORES				
PHYSALIA	10.0	0.0	0.0	0.0
PORPITA				
VELLELA	170.0	240.0	100.0	230.0
SIPHONOPHORE PARTS	ABUNDANT	ABUNDANT	ABUNDANT	ABUNDANT
MEDUSAE	1600.0	1600.0	640.0	800.0
CTENOPHORES				
NEMATODES	0.0	0.0	160.0	0.0
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE	0.0	480.0	0.0	0.0
TYPHLOSCOLECIDAE	0.0	0.0	0.0	160.0
OTHER	0.0	160.0	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	160.0	1280.0	480.0	640.0
GLAUCUS	0.0	0.0	10.0	0.0
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS	0.0	0.0	160.0	0.0
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES	0.0	0.0	0.0	160.0
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	1120.0	3200.0	1440.0	2880.0
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	640.0	800.0	160.0	480.0
CRUSTACEA				
AMPHIPODA	640.0	800.0	320.0	800.0
HYPERIIDAE	14400.0	18560.0	14240.0	21440.0
PHRONIMIDS	0.0	0.0	160.0	0.0
PHRONIMA COLLETTI				
BARNACLE NAUPLII	160.0	0.0	0.0	0.0
BARNACLE CYPRIDS	0.0	640.0	0.0	160.0
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS	0.0	0.0	10.0	0.0
CARIDEAN SHRIMP	800.0	640.0	320.0	1440.0
LUCIFER FAXONI	6080.0	12960.0	10720.0	9760.0
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	1120.0	3040.0	2240.0	1280.0
BRACHYURAN ZOEAS	1120.0	1760.0	1280.0	1920.0

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 2N:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	160.0	1760.0	320.0	320.0
STOMATOPOD ALIMA LARVAE	320.0	160.0	160.0	480.0
EUPHAUSIIDS	320.0	640.0	320.0	800.0
CUMACEA				
MYSIDACEA	0.0	320.0	320.0	160.0
OSTRACODA	1760.0	4640.0	4000.0	4960.0
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE	0.0	160.0	160.0	0.0
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.	0.0	160.0	160.0	0.0
CENTROPAGES FURCATUS MALE				
CENTROPAGES FURCATUS FEMALE	320.0	960.0	640.0	480.0
EUCHAETA MARINA MALE	0.0	160.0	0.0	0.0
EUCHAETA MARINA FEMALE	0.0	160.0	160.0	0.0
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE	0.0	320.0	0.0	160.0
NANNOCALANUS MINOR	1600.0	3680.0	1760.0	1920.0
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS	3200.0	5120.0	4480.0	6400.0
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	800.0	2720.0	2880.0	480.0
TEMORA TURBINATA	800.0	1440.0	1120.0	1440.0
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE	800.0	480.0	480.0	800.0
EUCALANUS ATTENUATUS FEMALE	480.0	800.0	1120.0	1120.0
EUCALANUS SPP. MALE	480.0	320.0	480.0	320.0
EUCALANUS SPP. FEMALE	1280.0	1280.0	1600.0	1760.0
PONTELLIDS				
ANOMALOCERA ORNATA MALE	24960.0	23680.0	26080.0	24160.0
ANOMALOCERA ORNATA FEMALE	7520.0	11520.0	12160.0	9600.0
ANOMALOCERA ORNATA IMMATURE	19360.0	15680.0	15040.0	16640.0
CALANOPIA AMERICANA MALE	960.0	960.0	320.0	1120.0
CALANOPIA AMERICANA FEMALE	1600.0	1280.0	800.0	1760.0
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	4480.0	5120.0	3840.0	4480.0
LABIDOCERA AESTIVA FEMALE	1120.0	2240.0	2080.0	960.0
LABIDOCERA SCOTTI MALE	0.0	0.0	160.0	0.0
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	1280.0	1920.0	1760.0	2240.0
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 2N:

(cont.)

	NET 1	NET 2	NET 3	NET 4
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	320.0	320.0	0.0	160.0
PONTELLOPSIS VILLOSA FEMALE	160.0	160.0	0.0	0.0
PONTELLOPSIS IMMATURE	0.0	480.0	160.0	320.0
PONTELLINA PLUMATA MALE	160.0	0.0	0.0	0.0
PONTELLINA PLUMATA FEMALE	160.0	160.0	0.0	0.0
PONTELLINA IMMATURE	0.0	0.0	160.0	480.0
IMMATURE & UNIDENTIFIED CALANOID	3680.0	1920.0	3360.0	3520.0
CYCLOPOIDA	0.0	160.0	320.0	0.0
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA	0.0	0.0	160.0	160.0
SAPPHIRINA METALLINA	0.0	160.0	160.0	160.0
SAPPHIRINA SPP.				
HARPACTICOIDA	160.0	0.0	0.0	0.0
CALIGOIDA				
COPEPOD NAUPLIUS	160.0	480.0	320.0	160.0
ECHINODERM LARVAE				
CHAETOGNATHS	2880.0	3360.0	5120.0	2560.0
TUNICATES				
DOLIOLIDS	7040.0	7200.0	4960.0	8320.0
LARVACEANS	1600.0	4000.0	4160.0	5120.0
SALPS	10.0	0.0	0.0	0.0
FISH	160.0	500.0	10.0	190.0
FISH EGGS	6400.0	9920.0	8000.0	7840.0
HALOBATES MICANS				
PLANT STEMS				
PLASTIC	PRESENT			
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA		PRESENT	PRESENT	PRESENT
TAR	76.0	36.0	26.0	40.0
TERRESTRIAL INSECTS	10.0	160.0	320.0	0.0
WOOD			PRESENT	
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE	RARE		RARE
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	124520.	163140.	142370.	153860.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	160.0	160.0	160.0	160.0
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16. 1/

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 2N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	124520.	163140.	142370.	153860.
TOTAL MOLLUSCA	1920.	5280.	2250.	4160.
TOTAL CRUSTACEA	102560.	129440.	116010.	124160.
TOTAL DECAPOD LARVAE	2400.	6560.	3840.	3520.
TOTAL COPEPODA	73680.	83520.	81600.	80640.
TOTAL ADULT PONTELLID COPEPODS	41440.	45440.	45440.	42240.
TOTAL IMMATURE PONTELLID COPEPODS	20640.	18080.	17120.	19680.
TOTAL TUNICATES	8650.	11200.	9120.	13440.
TOTAL FISH	160.	500.	10.	190.
TOTAL FISH EGGS	6400.	9920.	8000.	7840.
TAR (GRAMS PER 1,000 CUBIC METERS)	76.00	36.00	26.00	40.00

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 3D:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	177.8	0.0	0.0	177.8
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA	533.3	822.2	244.4	444.4
SIPHONOPHORE PARTS	ABUNDANT	ABUNDANT	ABUNDANT	ABUNDANT
MEDUSAE	711.1	1600.0	888.9	888.9
CTENOPHORES	122.2	111.1	288.9	222.2
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE	0.0	0.0	177.8	0.0
OTHER	0.0	177.8	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	0.0	355.6	0.0	177.8
GLAUCUS				
JANTHINA SHELLS	11.1	0.0	11.1	0.0
JANTHINA BUBBLE RAFTS	0.0	0.0	11.1	0.0
HETEROPODS				
ATLANTIDAE	0.0	0.0	177.8	0.0
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA	66.7	44.4	77.8	177.8
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS	0.0	0.0	0.0	11.1
CAVOLINIA UNCINATA	0.0	177.8	0.0	0.0
CRESEIS ACICULA	1066.7	1244.4	888.9	355.6
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS				
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER				
CRUSTACEA				
AMPHIPODA	244.4	577.8	11.1	33.3
HYPERIIDAE	3022.2	2133.3	888.9	0.0
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS	1066.7	1955.6	533.3	355.6
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS	11.1	44.4	0.0	0.0
CARIDEAN SHRIMP	0.0	188.9	0.0	0.0
LUCIFER FAXONI	1600.0	1066.7	1600.0	1422.2
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	3200.0	3377.8	4444.4	4977.8
BRACHYURAN ZOEAS	177.8	711.1	177.8	177.8

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 3D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	544.4	177.8	0.0	0.0
STOMATOPOD ALIMA LARVAE	1277.8	355.6	888.9	711.1
EUPHAUSIIDS	0.0	177.8	0.0	0.0
CUMACEA				
MYSIDACEA				
OSTRACODA				
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE	0.0	177.8	0.0	0.0
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE				
CENTROPAGES FURCATUS FEMALE	0.0	533.3	0.0	533.3
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	177.8	0.0	0.0	0.0
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	711.1	1066.7	1422.2	888.9
TEMORA TURBINATA	1066.7	1600.0	711.1	0.0
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS SPP. MALE				
EUCALANUS SPP. FEMALE	0.0	711.1	177.8	0.0
PONTELLIDS				
ANOMALOCERA ORNATA MALE	75199.9	59733.3	54400.0	57777.8
ANOMALOCERA ORNATA FEMALE	44444.4	33777.8	30577.8	31644.4
ANOMALOCERA ORNATA IMMATURE	355.6	533.3	1066.7	355.6
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	1066.7	888.9	533.3	1422.2
LABIDOCERA AESTIVA FEMALE	355.6	888.9	711.1	888.9
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	0.0	177.8	0.0	0.0
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MINOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 3D: (cont.)	NET 1	NET 2	NET 3	NET 4	
PONTELLA SP. "A" MALE					
PONTELLA SP. "A" FEMALE					
PONTELLA IMMATURE					
PONTELLOPSIS VILLOSA MALE	0.0	0.0	177.8	0.0	
PONTELLOPSIS VILLOSA FEMALE					
PONTELLOPSIS IMMATURE	533.3	0.0	0.0	0.0	
PONTELLINA PLUMATA MALE					
PONTELLINA PLUMATA FEMALE					
PONTELLINA IMMATURE					
IMMATURE & UNIDENTIFIED CALANOID	177.8	355.6	177.8	355.6	
CYCLOPOIDA	0.0	355.6	0.0	0.0	
COPILIA MIRABILIS MALE					
COPILIA MIRABILIS FEMALE					
COPILIA QUADRATA MALE					
COPILIA QUADRATA FEMALE					
SAPPHIRINA STELLATA					
SAPPHIRINA NIGROMACULATA					
SAPPHIRINA METALLINA					
SAPPHIRINA SPP.					
HARPACTICOIDA					
CALIGOIDA					
COPEPOD NAUPLIUS					
ECHINODERM LARVAE					
CHAETOGNATHS	355.6	0.0	177.8	0.0	
TUNICATES					
DOLIOLIDS	0.0	888.9	711.1	355.6	
LARVACEANS					
SALPS					
FISH	733.3	33.3	44.4	177.8	
FISH EGGS	1066.7	1422.2	1244.4	4800.0	
HALOBATES MICANS					
PLANT STEMS					
PLASTIC		PRESENT			
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT	
SARGASSUM FAUNA	PRESENT	PRESENT			
TAR	98.9	55.6	30.0	45.6	
TERRESTRIAL INSECTS	0.0	188.9	0.0	177.8	
WOOD					
MISCELLANEOUS DEBRIS					
COPEPOD EXOSKELETONS					
SHELL FRAGMENTS					
STRING					
FEATHERS				PRESENT	
SEA BEANS (PLANT SEEDS)					
TOTAL NO. PER 1,000 CUBIC METERS	140077.	118633.	103444.	109511.	
CONCENTRATION EQUAL TO 1 INDIVIDUAL	177.8	177.8	177.8	177.8	
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16.	1/

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 3D:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	140077.	118633.	103444.	109511.
TOTAL MOLLUSCA	1144.	1822.	1167.	722.
TOTAL CRUSTACEA	135233.	111566.	98500.	101544.
TOTAL DECAPOD LARVAE	3922.	4267.	4622.	5156.
TOTAL COPEPODA	124089.	100800.	89955.	93866.
TOTAL ADULT PONTELLID COPEPODS	121067.	95289.	86400.	91733.
TOTAL IMMATURE PONTELLID COPEPODS	889.	711.	1067.	356.
TOTAL TUNICATES	0.	889.	711.	356.
TOTAL FISH	733.	33.	44.	178.
TOTAL FISH EGGS	1067.	1422.	1244.	4800.
TAR (GRAMS PER 1,000 CUBIC METERS)	98.89	55.56	30.00	45.56

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 3N:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	1185.2	0.0	790.1	0.0
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA	24.7	24.7	24.7	74.1
SIPHONOPHORE PARTS	RARE	RARE	RARE	RARE
MEDUSAE	790.1	3950.6	4345.7	1975.3
CTENOPHORES	0.0	0.0	790.1	395.1
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER				
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	0.0	0.0	0.0	395.1
GLAUCUS	0.0	0.0	0.0	12.3
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	0.0	0.0	790.1	790.1
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA	0.0	395.1	0.0	395.1
CAVOLINIA LONGIROSTRIS	0.0	0.0	395.1	0.0
CAVOLINIA UNCINATA				
CRESEIS ACICULA	0.0	395.1	0.0	0.0
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	0.0	395.1	0.0	0.0
STYLIOLA SUBULA	0.0	0.0	0.0	395.1
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	0.0	12.3	0.0	0.0
CRUSTACEA				
AMPHIPODA	395.1	395.1	395.1	12.3
HYPERIIDAE	55308.6	91259.3	68740.7	66370.3
PHRONIMIDS	790.1	0.0	0.0	395.1
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS	0.0	0.0	12.3	0.0
PORTUNID CRABS	0.0	0.0	12.3	0.0
CARIDEAN SHRIMP	580.2	950.6	506.2	1370.4
LUCIFER FAXONI	12642.0	24098.8	19358.0	15012.3
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	8382.7	12271.6	14234.6	17024.7
BRACHYURAN ZOEAS	3950.6	7518.5	7111.1	3950.6

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 3N:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	5444.4	3469.1	4086.4	4172.8
STOMATOPOD ALIMA LARVAE	814.8	432.1	814.8	24.7
EUPHAUSIIDS	395.1	0.0	1580.2	790.1
CUMACEA				
MYSIDACEA	407.4	432.1	12.3	419.8
OSTRACODA	27654.3	64395.1	42666.7	38716.0
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.	395.1	395.1	395.1	0.0
CENTROPAGES FURCATUS MALE	2765.4	3555.6	3160.5	3160.5
CENTROPAGES FURCATUS FEMALE	3950.6	7901.2	14222.2	10666.7
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE	0.0	0.0	0.0	395.1
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	5135.8	3950.6	9086.4	3950.6
PLEUROMAMMA PISECKI FEMALE	0.0	0.0	0.0	790.1
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS	0.0	790.1	0.0	0.0
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	0.0	790.1	395.1	0.0
TEMORA TURBINATA	0.0	395.1	0.0	0.0
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE	0.0	0.0	395.1	0.0
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS SPP. MALE	2370.4	395.1	395.1	395.1
EUCALANUS SPP. FEMALE	4345.7	13037.0	7506.2	5925.9
PONTELLIDS				
ANOMALOCERA ORNATA MALE	1185.2	790.1	3555.6	395.1
ANOMALOCERA ORNATA FEMALE	2370.4	790.1	1580.2	0.0
ANOMALOCERA ORNATA IMMATURE	790.1	790.1	790.1	395.1
CALANOPIA AMERICANA MALE	395.1	0.0	790.1	395.1
CALANOPIA AMERICANA FEMALE	1185.2	1975.3	1975.3	0.0
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	6716.0	10666.7	13432.1	11061.7
LABIDOCERA AESTIVA FEMALE	2370.4	395.1	1185.2	4740.7
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	395.1	790.1	790.1	395.1
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT'D

MARCH 1977:

TRANSECT II:

STATION 3N:

(cont.)

	NET 1	NET 2	NET 3	NET 4	
PONTELLA SP. "A" MALE					
PONTELLA SP. "A" FEMALE					
PONTELLA IMMATURE					
PONTELLOPSIS VILLOSA MALE					
PONTELLOPSIS VILLOSA FEMALE					
PONTELLOPSIS IMMATURE					
PONTELLINA PLUMATA MALE					
PONTELLINA PLUMATA FEMALE					
PONTELLINA IMMATURE					
IMMATURE & UNIDENTIFIED CALANOID	0.0	0.0	0.0	395.1	
CYCLOPOIDA	0.0	790.1	395.1	790.1	
COPILIA MIRABILIS MALE					
COPILIA MIRABILIS FEMALE					
COPILIA QUADRATA MALE					
COPILIA QUADRATA FEMALE					
SAPPHIRINA STELLATA					
SAPPHIRINA NIGROMACULATA	395.1	395.1	0.0	395.1	
SAPPHIRINA METALLINA					
SAPPHIRINA SPP.					
HARPACTICOIDA					
CALIGOIDA					
COPEPOD NAUPLIUS					
ECHINODERM LARVAE					
CHAETOGNATHS	3111.1	7938.3	6123.5	4246.9	
TUNICATES					
DOLIOLIDS	114172.8	146962.9	122864.2	84543.2	
LARVACEANS	0.0	0.0	1185.2	395.1	
SALPS					
FISH	5012.3	6592.6	7913.6	5963.0	
FISH EGGS	395.1	1580.2	395.1	1185.2	
HALOBATES MICANS					
PLANT STEMS					
PLASTIC					
SARGASSUM				PRESENT	
SARGASSUM FAUNA					
TAR					
TERRESTRIAL INSECTS					
WOOD		PRESENT			
MISCELLANEOUS DEBRIS					
COPEPOD EXOSKELETONS	RARE		RARE		
SHELL FRAGMENTS					
STRING					
FEATHERS					
SEA BEANS (PLANT SEEDS)					
TOTAL NO. PER 1,000 CUBIC METERS	275221.	422060.	365196.	293270.	
CONCENTRATION EQUAL TO 1 INDIVIDUAL	395.1	395.1	395.1	395.1	
ALIQUOT SIZE	1/ 32.	1/ 32.	1/ 32.	1/ 32.	1/

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 3N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1.000 CUBIC METERS	276221.	422060.	365196.	293270.
TOTAL MOLLUSCA	0.	1198.	1185.	1988.
TOTAL CRUSTACEA	151531.	253814.	219580.	192506.
TOTAL DECAPOD LARVAE	17778.	23259.	25432.	25148.
TOTAL COPEPODA	34765.	48593.	60049.	44247.
TOTAL ADULT PONTELLID COPEPODS	14222.	14617.	22519.	16593.
TOTAL IMMATURE PONTELLID COPEPODS	1185.	1580.	1580.	790.
TOTAL TUNICATES	114173.	146963.	124049.	84938.
TOTAL FISH	5012.	6593.	7914.	5963.
TOTAL FISH EGGS	395.	1580.	395.	1185.
TAR (GRAMS PER 1.000 CUBIC METERS)	0.00	0.00	0.00	0.00

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION ID:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	0.0	0.0	0.0	195.1
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA				
SIPHONOPHORE PARTS		RARE		
MEDUSAE	8195.1	9951.2	5658.5	5073.2
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER	0.0	585.4	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	195.1	195.1	0.0	0.0
GASTROPOD MEROPLANKTERS	195.1	195.1	0.0	0.0
GLAUCUS				
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS				
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER				
CRUSTACEA				
AMPHIPODA				
HYPERIIDAE	2926.8	975.6	585.4	2926.8
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS				
CARIDEAN SHRIMP				
LUCIFER FAXONI	2926.8	1170.7	975.6	2341.5
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE	0.0	0.0	0.0	195.1
BRACHYURAN MEGALOPS	0.0	195.1	0.0	0.0
BRACHYURAN ZOEAS	2926.8	10926.8	5268.3	5463.4

TABLE 1 CONT'D

APRIL 1977:

TRANSECT II:

STATION 1D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	585.4	975.6	1365.9	390.2
STOMATOPOD ALIMA LARVAE	0.0	585.4	0.0	195.1
EUPHAUSIIDS	195.1	0.0	0.0	0.0
CUMACEA				
MYSIDACEA				
OSTRACODA				
CLADOCERA	2341.5	1756.1	975.6	2146.3
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	0.0	0.0	195.1	195.1
CENTROPAGES FURCATUS FEMALE	195.1	195.1	195.1	0.0
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE	195.1	0.0	0.0	0.0
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR				
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	390.2	0.0	780.5	780.5
TEMORA TURBINATA	1170.7	1951.2	1756.1	1951.2
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE	0.0	0.0	0.0	195.1
EUCALANUS SPP. FEMALE	195.1	0.0	390.2	195.1
PONTELLIDS				
ANOMALOCERA ORNATA MALE	585.4	975.6	975.6	195.1
ANOMALOCERA ORNATA FEMALE	195.1	0.0	390.2	585.4
ANOMALOCERA ORNATA IMMATURE	6243.9	5463.4	1561.0	3122.0
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	2536.6	390.2	0.0	1170.7

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 1D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
LABIDOCERA AESTIVA FEMALE	0.0	195.1	0.0	195.1
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	1365.9	1170.7	2341.5	2146.3
PONTELLA MEADII MALE	5268.3	6439.0	5463.4	2341.5
PONTELLA MEADII FEMALE	1756.1	1951.2	2146.3	1561.0
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE	2731.7	1756.1	1756.1	1170.7
PONTELLOPSIS VILLOSA MALE	0.0	195.1	0.0	0.0
PONTELLOPSIS VILLOSA FEMALE				
PONTELLOPSIS IMMATURE	0.0	0.0	0.0	195.1
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	585.4	975.6	195.1	390.2
CYCLOPOIDA	0.0	1365.9	585.4	780.5
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	23024.4	22634.1	22048.8	16585.4
TUNICATES				
DOLIOLIDS	0.0	585.4	0.0	0.0
LARVACEANS	975.6	1170.7	1951.2	0.0
SALPS				
FISH	792.7	2109.8	1597.6	390.2
FISH EGGS	5073.2	4292.7	3122.0	4487.8
HALOBATES MICANS				
PLANT STEMS				
PLASTIC			PRESENT	
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA				
TAR	7.1	13.1	7.0	3.1
TERRESTRIAL INSECTS	3731.7	1561.0	2146.3	975.6
WOOD				
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE		RARE	RARE
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)		PRESENT		
TOTAL NO. PER 1.000 CUBIC METERS	77500.	82890.	64427.	58537.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	195.1	195.1	195.1	195.1
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16. 1/

TABLE 1 CONT'D

APRIL 1977: TRANSECT II: STATION ID:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1.000 CUBIC METERS	77500.	82890.	64427.	58537.
TOTAL MOLLUSCA	390.	390.	0.	0.
TOTAL CRUSTACEA	35317.	38244.	27317.	30049.
TOTAL DECAPOD LARVAE	3512.	12098.	6634.	6049.
TOTAL COPEPODA	23415.	21659.	18146.	16390.
TOTAL ADULT PONTELLID COPEPODS	10341.	10146.	8976.	6049.
TOTAL IMMATURE PONTELLID COPEPODS	10341.	8390.	5659.	6634.
TOTAL TUNICATES	976.	1756.	1951.	0.
TOTAL FISH	793.	2110.	1598.	390.
TOTAL FISH EGGS	3073.	4293.	3122.	4488.
TAR (GRAMS PER 1.000 CUBIC METERS)	7.06	13.10	6.95	3.13

TABLE 1 CONT'D

APRIL 1977: TRANSECT II: STATION 1N:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA				
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA				
SIPHONOPHORE PARTS		RARE	RARE	RARE
MEDUSAE	3581.0	6247.6	7923.8	5752.4
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE	38.1	0.0	0.0	0.0
OTHER	0.0	76.2	38.1	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	1828.6	1371.4	1600.0	419.0
GASTROPOD MEROPLANKTERS	114.3	304.8	190.5	76.2
GLAUCUS	0.0	0.0	38.1	0.0
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	0.0	0.0	114.3	0.0
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA	0.0	0.0	38.1	0.0
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	76.2	38.1	0.0	0.0
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER				
CRUSTACEA				
AMPHIPODA				
HYPERIIDAE	723.8	1676.2	1523.8	3542.9
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII	152.4	190.5	0.0	76.2
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS	0.0	76.2	0.0	0.0
CARIDEAN SHRIMP				
LUCIFER FAXONI	838.1	2742.9	2514.3	1371.4
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE	0.0	0.0	0.0	38.1
BRACHYURAN MEGALOPS	76.2	190.5	38.1	152.4
BRACHYURAN ZOEAS	3542.9	3314.3	3542.9	3200.0

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 1N:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	342.9	152.4	342.9	761.9
STOMATOPOD ALIMA LARVAE	0.0	38.1	190.5	38.1
EUPHAUSIIDS	76.2	0.0	0.0	0.0
CUMACEA				
MYSIDACEA	38.1	76.2	76.2	38.1
OSTRACODA	114.3	190.5	152.4	647.6
CLADOCERA	342.9	1104.8	1181.0	761.9
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	38.1	38.1	0.0	0.0
CENTROPAGES FURCATUS FEMALE	228.6	228.6	266.7	457.1
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	0.0	0.0	0.0	38.1
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	838.1	1447.6	1523.8	838.1
TEMORA TURBINATA	3695.2	8114.3	6095.2	5485.7
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE	0.0	0.0	114.3	76.2
EUCALANUS SPP. FEMALE	190.5	76.2	152.4	228.6
PONTELLIDS				
ANOMALOCERA ORNATA MALE	304.8	152.4	342.9	190.5
ANOMALOCERA ORNATA FEMALE	0.0	76.2	76.2	76.2
ANOMALOCERA ORNATA IMMATURE	723.8	533.3	952.4	761.9
CALANOPIA AMERICANA MALE	0.0	38.1	38.1	38.1
CALANOPIA AMERICANA FEMALE	0.0	0.0	38.1	38.1
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	5790.5	8571.4	11314.3	6590.5

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 1N: (cont.)

	NET 1	NET 2	NET 3	NET 4	
LABIDOCERA AESTIVA FEMALE	495.2	685.7	1295.2	533.3	
LABIDOCERA SCOTTI MALE					
LABIDOCERA SCOTTI FEMALE					
LABIDOCERA IMMATURE	1866.7	4990.5	3733.3	4000.0	
PONTELLA MEADII MALE	1028.6	1600.0	1485.7	952.4	
PONTELLA MEADII FEMALE	800.0	1142.9	838.1	419.0	
PONTELLA MIMOCERAMI					
PONTELLA SECURIFER MALE					
PONTELLA SECURIFER FEMALE					
PONTELLA ATLANTICA MALE					
PONTELLA ATLANTICA FEMALE					
PONTELLA SP. "A" MALE					
PONTELLA SP. "A" FEMALE					
PONTELLA IMMATURE	304.8	228.6	1219.0	761.9	
PONTELLOPSIS VILLOSA MALE	0.0	0.0	38.1	0.0	
PONTELLOPSIS VILLOSA FEMALE					
PONTELLOPSIS IMMATURE	38.1	723.8	0.0	0.0	
PONTELLINA PLUMATA MALE					
PONTELLINA PLUMATA FEMALE					
PONTELLINA IMMATURE					
IMMATURE & UNIDENTIFIED CALANOID	990.5	495.2	1142.9	457.1	
CYCLOPOIDA	152.4	228.6	76.2	381.0	
COPILIA MIRABILIS MALE					
COPILIA MIRABILIS FEMALE					
COPILIA QUADRATA MALE					
COPILIA QUADRATA FEMALE					
SAPPHIRINA STELLATA					
SAPPHIRINA NIGROMACULATA					
SAPPHIRINA METALLINA					
SAPPHIRINA SPP.					
HARPACTICOIDA					
CALIGOIDA					
COPEPOD NAUPLIUS					
ECHINODERM LARVAE					
CHAETOGNATHS	13904.8	25447.6	34704.8	16495.2	
TUNICATES					
DOLIOLIDS	0.0	0.0	152.4	0.0	
LARVACEANS	609.5	419.0	228.6	266.7	
SALPS					
FISH	190.5	228.6	238.1	381.0	
FISH EGGS	2704.8	4723.8	4647.6	4152.4	
HALOBATES MICANS					
PLANT STEMS					
PLASTIC					
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT	
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT		
TAR	0.0	7.6	1.0	0.8	
TERRESTRIAL INSECTS	685.7	2895.2	4666.7	2085.7	
WOOD					
MISCELLANEOUS DEBRIS				PRESENT	
COPEPOD EXOSKELETONS		RARE		RARE	
SHELL FRAGMENTS					
STRING					
FEATHERS					
SEA BEANS (PLANT SEEDS)					
TOTAL NO. PER 1,000 CUBIC METERS	47457.	80876.	94885.	62581.	
CONCENTRATION EQUAL TO 1 INDIVIDUAL	38.1	38.1	38.1	38.1	
ALIQUOT SIZE	1/ 4.	1/ 4.	1/ 4.	1/ 4.	1/

TABLE 1 CONT'D

APRIL 1977: TRANSECT II: STATION 1N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1.000 CUBIC METERS	47467.	80876.	94885.	62581.
TOTAL MOLLUSCA	2019.	1714.	1981.	495.
TOTAL CRUSTACEA	23581.	38895.	40229.	32571.
TOTAL DECAPOD LARVAE	3962.	3657.	3924.	4152.
TOTAL COPEPODA	17333.	29143.	30667.	21943.
TOTAL ADULT PONTELLID COPEPODS	8419.	12267.	15467.	8838.
TOTAL IMMATURE PONTELLID COPEPODS	2933.	6476.	5905.	5524.
TOTAL TUNICATES	610.	419.	381.	267.
TOTAL FISH	190.	229.	238.	381.
TOTAL FISH EGGS	2705.	4724.	4648.	4152.
TAR (GRAMS PER 1.000 CUBIC METERS)	0.04	7.65	1.05	0.84

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 2D:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	57.1	57.1	0.0	57.1
SIPHONOPHORES				
PHYSALIA				
PORPITA	114.3	0.0	57.1	0.0
VELLELA				
SIPHONOPHORE PARTS	COMMON	RARE	RARE	RARE
MEDUSAE				
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE	57.1	57.1	0.0	57.1
OTHER	0.0	0.0	0.0	57.1
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	57.1	71.4	57.1	57.1
GLAUCUS	28.6	0.0	0.0	0.0
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA	1428.6	1200.0	1257.1	1428.6
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	57.1	114.3	0.0	57.1
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	0.0	114.3	114.3	171.4
CRUSTACEA				
AMPHIPODA	57.1	0.0	0.0	0.0
HYPERIIDAE	45314.3	29028.6	16571.4	54228.6
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS				
CARIDEAN SHRIMP				
LUCIFER FAXONI	2000.0	800.0	1600.0	1428.6
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	0.0	0.0	57.1	0.0
BRACHYURAN ZOEAS	7485.7	6914.3	6400.0	7657.1

APRIL 1977:

TRANSECT II:

STATION 2D:

(cont.)

TABLE 1 CONT.'D

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE				
STOMATOPOD ALIMA LARVAE				
EUPHAUSIIDS				
CUMACEA				
MYSIDACEA				
OSTRACODA	57.1	57.1	57.1	114.3
CLADOCERA	285.7	457.1	57.1	285.7
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	171.4	457.1	285.7	285.7
CENTROPAGES FURCATUS FEMALE	457.1	457.1	400.0	114.3
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	114.3	114.3	114.3	114.3
PLEUROMAMMA PISECKI FEMALE	57.1	0.0	0.0	0.0
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	228.6	342.9	457.1	114.3
TEMORA TURBINATA				
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE				
EUCALANUS SPP. FEMALE	0.0	57.1	0.0	57.1
PONTELLIDS				
ANOMALOCERA ORNATA MALE	1542.9	1485.7	1485.7	1314.3
ANOMALOCERA ORNATA FEMALE	914.3	914.3	1085.7	1257.1
ANOMALOCERA ORNATA IMMATURE	2400.0	3028.6	3485.7	3200.0
CALANOPIA AMERICANA MALE	0.0	57.1	0.0	0.0
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	171.4	342.9	57.1	171.4

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 2D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
LABIDOCERA AESTIVA FEMALE	342.9	171.4	171.4	342.9
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	0.0	57.1	57.1	57.1
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE	57.1	57.1	0.0	0.0
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE	0.0	0.0	0.0	57.1
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE	342.9	228.6	285.7	457.1
PONTELLOPSIS VILLOSA MALE	57.1	0.0	0.0	57.1
PONTELLOPSIS VILLOSA FEMALE	0.0	57.1	57.1	0.0
PONTELLOPSIS IMMATURE	285.7	114.3	0.0	0.0
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	171.4	171.4	228.6	114.3
CYCLOPOIDA	228.6	114.3	114.3	400.0
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	914.3	971.4	1085.7	914.3
TUNICATES				
DOLIOLIDS				
LARVACEANS	742.9	1257.1	400.0	857.1
SALPS				
FISH	14.3	0.0	0.0	71.4
FISH EGGS	22114.3	24857.1	22228.6	23428.6
HALOBATES MICANS	57.1	114.3	171.4	71.4
PLANT STEMS				
PLASTIC				
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA				
TAR	1.4	2.4	3.1	1.4
TERRESTRIAL INSECTS	457.1	800.0	585.7	314.3
WOOD				
MISCELLANEOUS DEBRIS		PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS			RARE	
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)	PRESENT			
TOTAL NO. PER 1,000 CUBIC METERS	88843.	75100.	58986.	99371.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	57.1	57.1	57.1	57.1
ALIQUOT SIZE	1/ 4.	1/ 4.	1/ 4.	1/ 4. 1/

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 2D:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1.000 CUBIC METERS	38843.	75100.	58986.	99371.
TOTAL MOLLUSCA	1571.	1500.	1429.	1714.
TOTAL CRUSTACEA	62514.	45371.	32914.	71428.
TOTAL DECAPOD LARVAE	7486.	6914.	6457.	7657.
TOTAL COPEPODA	7314.	8114.	8171.	7714.
TOTAL ADULT PONTELLID COPEPODS	3086.	3086.	2857.	3200.
TOTAL IMMATURE PONTELLID COPEPODS	3029.	3429.	3829.	3714.
TOTAL TUNICATES	743.	1257.	400.	857.
TOTAL FISH	14.	0.	0.	71.
TOTAL FISH EGGS	22114.	24857.	22229.	23429.
TAR (GRAMS PER 1.000 CUBIC METERS)	1.43	2.40	3.13	1.43

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 2N:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA				
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA	0.0	58.3	9.7	9.7
SIPHONOPHORE PARTS	RARE		RARE	RARE
MEDUSAE	0.0	932.0	310.7	310.7
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER	621.4	621.4	310.7	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	621.4	310.7	310.7	1553.4
GASTROPOD MEROPLANKTERS	932.0	310.7	0.0	2796.1
GLAUCUS	9.7	9.7	0.0	0.0
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	932.0	932.0	0.0	932.0
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA	310.7	0.0	310.7	0.0
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	1242.7	2485.4	1553.4	2485.4
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PEFACLIS SPP.				
GYMNOSOMES				
OTHER	0.0	621.4	310.7	621.4
CRUSTACEA				
AMPHIPODA				
HYPERIIDAE	230524.3	179883.4	242640.8	203805.8
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS	9.7	0.0	0.0	9.7
CARIDEAN SHRIMP	1563.1	2796.1	621.4	1553.4
LUCIFER FAXONI	10873.8	14912.6	12116.5	12737.9
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	12427.2	15534.0	11805.8	14912.6
BRACHYURAN ZOEAS	84504.8	119922.3	79223.3	92271.8

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 2N: (cont.)	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	12427.2	13048.5	10563.1	15844.7
STOMATOPOD ALIMA LARVAE	621.4	1553.4	621.4	1242.7
EUPHAUSIIDS	621.4	0.0	0.0	0.0
CUMACEA				
MYSIDACEA	2174.9	3417.5	4970.9	2485.4
OSTRACODA	31058.0	57475.7	37592.2	43805.8
CLADOCERA	0.0	0.0	0.0	310.7
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	3417.5	7145.6	4970.9	4660.2
CENTROPAGES FURCATUS FEMALE	3728.2	11805.8	5592.2	6213.6
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	932.0	1864.1	2174.8	1553.4
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE	0.0	0.0	310.7	0.0
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS	0.0	0.0	0.0	310.7
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	310.7	932.0	932.0	0.0
TEMORA TURBINATA	0.0	310.7	0.0	310.7
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE	0.0	0.0	310.7	621.4
EUCALANUS SPP. FEMALE	4660.2	8388.3	7767.0	4038.8
PONTELLIDS				
ANOMALOCERA ORNATA MALE	2485.4	3728.2	2485.4	621.4
ANOMALOCERA ORNATA FEMALE	3728.2	1242.7	1553.4	621.4
ANOMALOCERA ORNATA IMMATURE	621.4	621.4	621.4	932.0
CALANOPIA AMERICANA MALE	310.7	1864.1	621.4	2485.4
CALANOPIA AMERICANA FEMALE	932.0	2485.4	2485.4	4970.9
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	39767.0	52194.2	41631.1	30446.6

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 2N:

(cont.)

	NET 1	NET 2	NET 3	NET 4
LABIDOCERA AESTIVA FEMALE	8388.3	10563.1	11184.5	7456.3
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	2485.4	2796.1	2485.4	3417.5
PONTELLA MEADII MALE	0.0	310.7	310.7	310.7
PONTELLA MEADII FEMALE				
PONTELLA MINOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	0.0	0.0	310.7	0.0
PONTELLOPSIS VILLOSA FEMALE				
PONTELLOPSIS IMMATURE				
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	6213.6	8699.0	9009.7	8388.3
CYCLOPOIDA	932.0	310.7	621.4	1553.4
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA	1242.7	0.0	0.0	0.0
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	31068.0	41631.1	30135.9	41941.7
TUNICATES				
DOLIOLIDS	0.0	932.0	310.7	0.0
LARVACEANS	310.7	0.0	0.0	0.0
SALPS				
FISH	660.2	330.1	660.2	631.1
FISH EGGS	9941.7	16776.7	9320.4	8699.0
HALOBATES MICANS	58.3	941.7	932.0	621.4
PLANT STEMS				
PLASTIC				
SARGASSUM	PRESENT			
SARGASSUM FAUNA	PRESENT			
TAR	0.0	0.2	0.0	0.8
TERRESTRIAL INSECTS	6213.6	4669.9	3436.9	3728.2
WOOD				
MISCELLANEOUS DEBRIS				
COPEPOD EXOSKELETONS	RARE		RARE	
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	519892.	595368.	543445.	532222.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	310.7	310.7	310.7	310.7
ALIQUOT SIZE	1/ 32.	1/ 32.	1/ 32.	1/ 32. 1/

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 2N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	519892.	595368.	543445.	532222.
TOTAL MOLLUSCA	4049.	4670.	2485.	8388.
TOTAL CRUSTACEA	464796.	523495.	494912.	466339.
TOTAL DECAPOD LARVAE	109359.	148505.	101592.	123029.
TOTAL COPEPODA	77980.	114951.	94757.	77359.
TOTAL ADULT PONTELLID COPEPODS	35612.	72388.	60583.	46913.
TOTAL IMMATURE PONTELLID COPEPODS	3107.	3417.	3107.	4350.
TOTAL TUNICATES	311.	932.	311.	0.
TOTAL FISH	660.	330.	660.	631.
TOTAL FISH EGGS	9942.	16777.	9320.	8699.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.00	0.18	0.00	0.80

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 30:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	581.8	872.7	581.8	581.8
SIPHONOPHORES				
PHYSALIA	0.0	18.2	0.0	0.0
PORPITA	290.9	290.9	290.9	0.0
VELLELA	0.0	18.2	0.0	0.0
SIPHONOPHORE PARTS	COMMON	COMMON	COMMON	COMMON
MEDUSAE	1454.5	1745.5	2036.4	1454.5
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER				
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	290.9	0.0	290.9	0.0
GASTROPOD MEROPLANKTERS	0.0	0.0	290.9	0.0
GLAUCUS				
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	581.8	2036.4	1745.5	290.9
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA	581.8	872.7	1454.5	290.9
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	1163.6	290.9	1454.5	0.0
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	0.0	0.0	290.9	0.0
CRUSTACEA				
AMPHIPODA	0.0	290.9	0.0	0.0
HYPERIIDAE	18618.2	21818.2	17745.4	26472.7
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS				
CARIDEAN SHRIMP				
LUCIFER FAXONI	6690.9	7563.6	10763.6	7854.5
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS				
BRACHYURAN ZOEAS	5690.9	9309.1	6400.0	2327.3

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 3D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	1163.6	1163.6	872.7	872.7
STOMATOPOD ALIMA LARVAE	9600.0	8145.4	6690.9	4072.7
EUPHAUSIIDS	1454.5	1163.6	290.9	581.8
CUMACEA				
MYSIDACEA				
OSTRACODA	2036.4	2036.4	2909.1	2036.4
CLADOCERA	3200.0	5818.2	2909.1	4654.5
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE	0.0	0.0	0.0	290.9
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.	581.8	0.0	0.0	0.0
CENTROPAGES FURCATUS MALE				
CENTROPAGES FURCATUS FEMALE	290.9	0.0	1745.5	1163.6
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	0.0	290.9	0.0	0.0
PLEUROMAMMA PISECKI FEMALE	290.9	0.0	290.9	0.0
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUORMAMMA ABDOMINALIS IMMATU				
PLEUROMAMMA SPP. IMMATURE				
PHINCALANUS CORNUTUS				
PHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	6400.0	5818.2	11927.3	6400.0
TEMORA TURBINATA	581.8	872.7	290.9	290.9
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	0.0	290.9
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE				
EUCALANUS SPP. FEMALE	581.8	3781.8	6981.8	1745.5
PONTELLIDS				
ANOMALOCERA ORNATA MALE	2036.4	1163.6	1163.6	872.7
ANOMALOCERA ORNATA FEMALE	581.8	1163.6	1163.6	0.0
ANOMALOCERA ORNATA IMMATURE	290.9	581.8	0.0	0.0
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	8436.4	12509.1	19781.8	7272.7

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 3D:

(cont.)

	NET 1	NET 2	NET 3	NET 4
LABIDOCERA AESTIVA FEMALE	9309.1	11054.5	17454.5	6400.0
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	34036.3	31418.2	45381.8	25890.9
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE	0.0	0.0	581.8	290.9
PONTELLA MIMOCERAMI	290.9	0.0	0.0	0.0
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	872.7	581.8	872.7	290.9
PONTELLOPSIS VILLOSA FEMALE	290.9	581.8	581.8	0.0
PONTELLOPSIS IMMATURE	290.9	0.0	0.0	0.0
PONTELLINA PLUMATA MALE	1745.5	1454.5	1454.5	1454.5
PONTELLINA PLUMATA FEMALE	0.0	290.9	0.0	0.0
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	8727.3	3781.8	4072.7	4945.4
CYCLOPOIDA	4654.5	2618.2	2909.1	2036.4
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA	0.0	0.0	3200.0	290.9
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE	872.7	0.0	0.0	0.0
CHAETOGNATHS	51200.0	68363.6	55854.5	39272.7
TUNICATES				
DOLIOLIDS	4072.7	3200.0	2327.3	2618.2
LARVACEANS	581.8	2909.1	2909.1	1745.5
SALPS	290.9	0.0	1163.6	290.9
FISH	18.2	0.0	1163.6	0.0
FISH EGGS	5818.2	11345.4	0.0	8145.4
HALOBATES MICANS	0.0	581.8	290.9	290.9
PLANT STEMS				
PLASTIC				PRESENT
SARGASSUM				
SARGASSUM FAUNA				
TAR	9.2	0.6	0.3	1.6
TERRESTRIAL INSECTS	2909.1	1454.5	2327.3	3781.8
WOOD				
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS				
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	200454.	229272.	242908.	167563.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	290.9	290.9	290.9	290.9
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16. 1/

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 30:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	200454.	229272.	242908.	167563.
TOTAL MOLLUSCA	2618.	3200.	5527.	582.
TOTAL CRUSTACEA	125090.	132654.	162327.	106472.
TOTAL DECAPOD LARVAE	7855.	10473.	7273.	3200.
TOTAL COPEPODA	75636.	75345.	113745.	57600.
TOTAL ADULT PONTELLID COPEPODS	23564.	28800.	43055.	16582.
TOTAL IMMATURE PONTELLID COPEPODS	34618.	32000.	45382.	25891.
TOTAL TUNICATES	4945.	6109.	6400.	4655.
TOTAL FISH	18.	0.	1164.	0.
TOTAL FISH EGGS	5818.	11345.	0.	8145.
TAR (GRAMS PER 1,000 CUBIC METERS)	9.20	0.58	0.29	1.60

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 3N:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	0.0	192.8	385.5	578.3
SIPHONOPHORES				
PHYSALIA	0.0	0.0	0.0	12.0
PORPITA				
VELLELA	12.0	12.0	0.0	12.0
SIPHONOPHORE PARTS	COMMON	COMMON	COMMON	COMMON
MEDUSAE	963.9	385.5	578.3	385.5
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE	192.8	0.0	0.0	0.0
OTHER	0.0	0.0	0.0	192.8
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	0.0	1349.4	385.5	192.8
GASTROPOD MEROPLANKTERS	192.8	385.5	192.8	192.8
GLAUCUS				
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	192.8	192.8	578.3	192.8
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA	24.1	12.0	24.1	36.1
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA	0.0	192.8	0.0	0.0
CRESEIS VIRGULA	192.8	0.0	578.3	0.0
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA	192.8	192.8	963.9	0.0
LIMACINA TROCHIFORMIS	1542.2	4241.0	2506.0	2313.3
STYLIOLA SUBULA	0.0	192.8	0.0	0.0
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	192.8	0.0	192.8	0.0
CRUSTACEA				
AMPHIPODA	0.0	192.8	0.0	192.8
HYPERIIDAE	53807.2	53204.8	63807.2	56674.7
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS				
CARIDEAN SHRIMP	5397.6	4048.2	5397.6	3662.7
LUCIFER FAXONI	12337.3	15228.9	19662.6	18120.5
LUCIFER TYPUS				
LARVAE	192.8	0.0	0.0	0.0
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	771.1	1734.9	963.9	1927.7
BRACHYURAN ZOEAS	68819.3	88096.4	79228.9	72289.1

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 3N:

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	3662.7	6361.4	4048.2	2891.6
STOMATOPOD ALIMA LARVAE	9831.3	12722.9	14457.8	12915.7
EUPHAUSIIDS	10216.9	10602.4	7132.5	9253.0
CUMACEA				
MYSIDACEA	12722.9	16771.1	11373.5	8481.9
OSTRACODA	192.8	578.3	385.5	192.8
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE	192.8	192.8	192.8	0.0
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE	0.0	192.8	0.0	0.0
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.	0.0	192.8	385.5	192.8
CENTROPAGES FURCATUS MALE	192.8	578.3	0.0	0.0
CENTROPAGES FURCATUS FEMALE	578.3	771.1	771.1	1349.4
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	4819.3	7132.5	3469.9	2120.5
PLEUROMAMMA PISECKI FEMALE	2891.6	1927.7	1542.2	771.1
PLEUROMAMMA GRACILIS FEMALE	1734.9	1349.4	385.5	963.9
P. GRACILIS + PISECKI MALES	578.3	385.5	385.5	385.5
PLEUROMAMMA ABDOMINALIS IMMATU	0.0	0.0	0.0	192.8
PLEUROMAMMA SPP. IMMATURE	192.8	0.0	0.0	0.0
RHINCALANUS CORNUTUS	385.5	0.0	385.5	0.0
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	3469.9	7903.6	5012.0	4048.2
TEMORA TURBINATA	0.0	0.0	192.8	0.0
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES	192.8	0.0	0.0	192.8
EUCALANUS ATTENUATUS MALE	192.8	0.0	0.0	0.0
EUCALANUS ATTENUATUS FEMALE	385.5	771.1	578.3	192.8
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE	578.3	192.8	0.0	0.0
EUCALANUS SPP. FEMALE	8481.9	12530.1	10602.4	7132.5
PONTELLIDS				
ANOMALOCERA ORNATA MALE				
ANOMALOCERA ORNATA FEMALE				
ANOMALOCERA ORNATA IMMATURE	0.0	192.8	0.0	0.0
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE	0.0	192.8	0.0	192.8
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	578.3	3277.1	1542.2	1542.2

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 3N: (cont.)	NET 1	NET 2	NET 3	NET 4
LABIDOCERA AESTIVA FEMALE	1734.9	578.3	192.8	1156.6
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	578.3	963.9	1349.4	963.9
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MINOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE	192.8	0.0	192.8	0.0
PONTELLOPSIS VILLOSA MALE	0.0	192.8	0.0	0.0
PONTELLOPSIS VILLOSA FEMALE	192.8	0.0	385.5	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	192.8	192.8
PONTELLINA PLUMATA MALE	192.8	192.8	0.0	192.8
PONTELLINA PLUMATA FEMALE	0.0	192.8	0.0	385.5
PONTELLINA IMMATURE	192.8	0.0	385.5	385.5
IMMATURE & UNIDENTIFIED CALANOID	1349.4	2698.8	1734.9	2120.5
CYCLOPOIDA	771.1	385.5	578.3	385.5
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE	192.8	0.0	0.0	0.0
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE	0.0	0.0	0.0	192.8
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA	385.5	192.8	0.0	0.0
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS	192.8	0.0	0.0	192.8
ECHINODERM LARVAE				
CHAETOGNATHS	46650.6	51084.3	42987.9	36433.7
TUNICATES				
DOLIOLIDS	4048.2	3662.7	3469.9	3662.7
LARVACEANS	4048.2	3855.4	2698.8	5012.0
SALPS	385.5	385.5	0.0	192.8
FISH	590.4	975.9	626.5	228.9
FISH EGGS	2698.8	4433.7	2698.8	4048.2
HALOBATES MICANS	0.0	385.5	385.5	192.8
PLANT STEMS				
PLASTIC				
SARGASSUM				
SARGASSUM FAUNA				
TAR	0.8	3.1	0.4	0.0
TERRESTRIAL INSECTS	2698.8	3084.3	3662.7	5204.8
WOOD				
MISCELLANEOUS DEBRIS				
COPEPOD EXOSKELETONS				
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	284192.	327939.	299830.	271131.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	192.8	192.8	192.8	192.8
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16. 1/

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 3N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1.000 CUBIC METERS	284192.	327939.	299830.	271131.
TOTAL MOLLUSCA	2530.	6759.	5422.	2928.
TOTAL CRUSTACEA	217831.	252144.	236337.	211277.
TOTAL DECAPOD LARVAE	73446.	96193.	84241.	77108.
TOTAL COPEPODA	29879.	42602.	29879.	24675.
TOTAL ADULT PONTELLID COPEPODS	2699.	4627.	2120.	3470.
TOTAL IMMATURE PONTELLID COPEPODS	964.	1157.	2120.	1542.
TOTAL TUNICATES	8482.	7904.	6169.	8867.
TOTAL FISH	590.	976.	627.	229.
TOTAL FISH EGGS	2699.	4434.	2699.	4048.
TAR (GRAMS PER 1.000 CUBIC METERS)	0.77	3.08	0.39	0.00

TABLE 1 CONT.'D

SPRING 1977: TRANSECT I: STATION:	1D2	1D3	2D2	2D4	3D1	3D4
FORAMINIFERA	0.0	0.0	0.0	0.0	194.2	0.0
SIPHONOPHORES						
PHYSALIA						
PORPITA	0.0	0.0	2341.5	780.5	116.5	155.3
VELLELA						
SIPHONOPHORE PARTS	RARE				COMMON	COMMON
MEDUSAE	0.0	0.0	0.0	0.0	0.0	38.8
CTENOPHORES						
NEMATODES	0.0	0.0	0.0	0.0	0.0	38.8
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	4173.9	3200.0	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	3478.3	1391.3	0.0	0.0	38.8	77.7
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	0.0	0.0	390.2	0.0	38.8
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA						
CRESEIS VIRGULA	417.4	417.4	45268.3	149853.6	349.5	271.8
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	139.1	0.0	2341.5	6243.9	1669.9	310.7
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA	0.0	0.0	390.2	0.0	38.8	0.0
HYPERIIDAE	139.1	139.1	138536.6	69853.6	621.4	116.5
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII	139.1	0.0	0.0	0.0	0.0	0.0
BARNACLE CYPRIDS	0.0	0.0	0.0	0.0	38.8	0.0
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	0.0	0.0	0.0	0.0	0.0	9.7
CARIDEAN SHRIMP						
LUCIFER FAXONI	37565.2	30747.8	42926.8	26536.6	194.2	38.8
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	1530.4	139.1	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	556.5	139.1	7024.4	9756.1	0.0	0.0
BRACHYURAN ZOEAS	16139.1	14469.6	3512.2	2341.5	77.7	0.0

TABLE 1 CONT. D

SPRING 1977:

TRANSECT I:

STATION: (cont.)	1D2	1D3	2D2	2D4	3D1	3D4
MACRURAN LARVAE	3060.9	1669.6	3902.4	2341.5	38.8	0.0
SHRIMP LARVAE	0.0	0.0	1170.7	390.2	0.0	0.0
STOMATOPOD ALIMA LARVAE	0.0	139.1	0.0	0.0	0.0	0.0
EUPHAUSIIDS						
CUMACEA						
MYSIDACEA	0.0	0.0	3902.4	1951.2	77.7	0.0
OSTRACODA	7791.3	9043.5	1951.2	2731.7	77.7	38.8
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	77.7	0.0
CENTROPAGES FURCATUS MALE	2087.0	2087.0	2341.5	1170.7	621.4	233.0
CENTROPAGES FURCATUS FEMALE	2643.5	1252.2	2731.7	2731.7	1825.2	427.2
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	417.4	0.0	58926.8	23804.9	77.7	38.8
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	695.7	139.1	34731.7	16780.5	776.7	233.0
TEMORA TURBINATA	0.0	139.1	0.0	1170.7	77.7	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	139.1	0.0	10146.3	11707.3	2524.3	776.7
EUCALANUS SPP. FEMALE	417.4	139.1	30048.8	22243.9	4271.8	1747.6
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE						
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	139.1	0.0	7024.4	12097.6	38.8	0.0

TABLE 1 CONT.'D

SPRING 1977:

TRANSECT I:

STATION: (cont.)	1D2	1D3	2D2	2D4	3D1	3D4
LABIDOCERA AESTIVA FEMALE	0.0	0.0	6634.1	9756.1	0.0	0.0
LABIDOCERA SCOTTI MALE						
LABIDOCERA SCOTTI FEMALE						
LABIDOCERA IMMATURE	278.3	0.0	1170.7	780.5	38.8	0.0
PONTELLA MEADII MALE	3060.9	1530.4	390.2	1170.7	194.2	349.5
PONTELLA MEADII FEMALE	2504.3	2365.2	390.2	3512.2	116.5	38.8
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE	0.0	0.0	0.0	0.0	699.0	0.0
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	1113.0	695.7	390.2	390.2	0.0	776.7
PONTELLOPSIS VILLOSA MALE	0.0	0.0	0.0	0.0	38.8	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	0.0	0.0	0.0	38.8
PONTELLOPSIS IMMATURE						
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE	0.0	0.0	0.0	0.0	0.0	38.8
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	278.3	139.1	1561.0	1170.7	116.5	233.0
CYCLOPOIDA	139.1	139.1	1170.7	2341.5	582.5	77.7
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	0.0	0.0	0.0	0.0	38.8	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	5704.3	6678.3	0.0	0.0	155.3	38.8
CHAETOGNATHS	6260.9	5704.3	71414.6	59317.1	42019.4	10252.4
TUNICATES						
DOLIOLIDS	139.1	139.1	2341.5	1170.7	1631.1	815.5
LARVACEANS	0.0	0.0	390.2	780.5	155.3	116.5
SALPS						
FISH	156.5	0.0	1573.2	390.2	281.6	271.8
FISH EGGS	1113.0	1113.0	127999.9	101853.6	14951.5	8504.9
HALOBATES MICANS	0.0	417.4	0.0	390.2	155.3	0.0
PLANT STEMS						
PLASTIC					PRESENT	
SARGASSUM	PRESENT		PRESENT	PRESENT		PRESENT
SARGASSUM FAUNA	PRESENT		PRESENT	PRESENT	PRESENT	PRESENT
TAR	0.1	0.3	38.0	83.6	11.7	7.0
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT		PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE					RARE
SHELL FRAGMENTS						
STRING						
FEATHERS			PRESENT	PRESENT		
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	102417.	84174.	614646.	547901.	75000.	26146.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	139.1	139.1	390.2	390.2	38.8	38.8
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 32.	1/ 32.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT I: STATION:	1D2	1D3	2D2	2D4	3D1	3D4
TOTAL NO. PER 1,000 CUBIC METERS	102417.	84174.	614646.	547901.	75000.	26146.
TOTAL MOLLUSCA	4035.	1809.	47610.	156488.	2058.	699.
TOTAL CRUSTACEA	80696.	64974.	359804.	224390.	12660.	5136.
TOTAL DECAPOD LARVAE	21287.	16417.	14439.	14439.	117.	0.
TOTAL COPEPODA	13774.	8487.	156487.	108487.	11495.	4932.
TOTAL ADULT PONTELLID COPEPODS	5704.	3896.	14439.	26537.	1087.	466.
TOTAL IMMATURE PONTELLID COPEPODS	1391.	696.	1561.	1171.	39.	777.
TOTAL TUNICATES	139.	139.	2732.	1951.	1786.	932.
TOTAL FISH	157.	0.	1573.	390.	282.	272.
TOTAL FISH EGGS	1113.	1113.	128000.	101854.	14951.	8505.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.14	0.28	37.95	83.59	11.73	7.01

TABLE 1 CONT.'D

SPRING 1977: TRANSECT II: STATION:	1D1	1D3	1N2	1N4	2D1	2D4
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS					RARE	RARE
MEDUSAE	1333.3	1066.7	4173.9	1947.8	1600.0	266.7
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	278.3	0.0	266.7	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	556.5	278.3	0.0	0.0
GASTROPOD MEROPLANKTERS	5600.0	6400.0	4173.9	1669.6	266.7	266.7
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	533.3	556.5	0.0	533.3	266.7
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	278.3	834.8	0.0	0.0
CRESEIS VIRGULA	266.7	2133.3	3060.9	278.3	3733.3	1333.3
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	800.0	0.0	278.3	556.5	0.0	0.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	533.3	0.0	0.0	0.0	11733.3	0.0
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	266.7	1066.7	4452.2	2782.6	46666.6	99733.3
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS	0.0	0.0	0.0	278.3	0.0	0.0
PORTUNID CRABS						
CARIDEAN SHRIMP	10400.0	0.0	0.0	0.0	0.0	0.0
LUCIFER FAXONI	28000.0	60800.0	11687.0	12521.7	3466.7	17066.7
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	533.3	1066.7	15582.6	12243.5	266.7	0.0
BRACHYURAN MEGALOPS	266.7	2133.3	13913.0	9182.6	1866.7	5066.7
BRACHYURAN ZOEAS	4000.0	3200.0	29773.9	14747.8	2133.3	2133.3

TABLE 1 CONT'D

SPRING 1977:

TRANSECT II:

STATION: (cont.)	1D1	1D3	1N2	1N4	2D1	2D4
MACRURAN LARVAE	10133.3	10133.3	13634.8	11130.4	0.0	533.3
SHRIMP LARVAE	0.0	0.0	278.3	0.0	266.7	266.7
STOMATOPOD ALIMA LARVAE						
EUPHAUSIIDS						
CUMACEA						
MYSIDACEA	0.0	1066.7	0.0	278.3	1333.3	533.3
OSTRACODA	111999.9	124266.6	67895.6	48139.1	1333.3	2133.3
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	3200.0	7466.7	4173.9	2504.3	0.0	266.7
CENTROPAGES FURCATUS FEMALE	6933.3	4266.7	11408.7	6400.0	533.3	800.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR						
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES	0.0	0.0	278.3	0.0	0.0	0.0
PLEUORMAMMA ABOOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	266.7	533.3	3339.1	2504.3	5066.7	4000.0
TEMORA TURBINATA	4266.7	3200.0	9739.1	11130.4	0.0	1066.7
PARACANCACIA BISPINOSA MALE						
PARACANCACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	2133.3	533.3	1113.0	278.3	4800.0	5066.7
EUCALANUS SPP. FEMALE	2666.7	2666.7	3339.1	834.8	0.0	7733.3
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE	0.0	0.0	278.3	0.0	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	4266.7	4800.0	53982.6	45913.0	0.0	533.3

TABLE 1 CONT'D

SPRING 1977:

TRANSECT II:

STATION:	1D1	1D3	1N2	1N4	2D1	2D4
(cont.)						
LABIDOCERA AESTIVA FEMALE	4533.3	4266.7	16695.6	15026.1	266.7	0.0
LABIDOCERA SCOTTI MALE						
LABIDOCERA SCOTTI FEMALE	266.7	0.0	0.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	29866.6	29333.3	42573.9	26156.5	800.0	1333.3
PONTELLA MEADII MALE	2666.7	3733.3	1947.8	1391.3	800.0	800.0
PONTELLA MEADII FEMALE	266.7	1600.0	834.8	1113.0	0.0	800.0
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	266.7	533.3	0.0	278.3	266.7	1066.7
PONTELLOPSIS VILLOSA MALE						
PONTELLOPSIS VILLOSA FEMALE						
PONTELLOPSIS IMMATURE	266.7	0.0	0.0	0.0	0.0	0.0
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	1066.7	1066.7	5565.2	1947.8	266.7	266.7
CYCLOPOIDA	1866.7	2133.3	556.5	278.3	800.0	1066.7
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	29600.0	21866.7	10573.9	5565.2	533.3	0.0
CHAETOGNATHS	25333.3	42666.6	39234.8	27269.6	51733.3	54933.3
TUNICATES						
DOLIOLIDS	1066.7	533.3	834.8	0.0	6400.0	5866.7
LARVACEANS	0.0	0.0	2226.1	556.5	0.0	0.0
SALPS						
FISH	0.0	533.3	1139.1	834.8	266.7	0.0
FISH EGGS	0.0	533.3	1113.0	3060.9	3200.0	1600.0
HALOBATES MICANS	0.0	533.3	0.0	0.0	0.0	0.0
PLANT STEMS						
PLASTIC						
SARGASSUM						
SARGASSUM FAUNA	PRESENT					
TAR	0.5	0.5	0.6	0.0	1.9	37.8
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT			PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE	RARE				
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	294932.	346666.	381521.	269912.	151199.	216799.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	266.7	533.3	278.3	278.3	266.7	266.7
ALIQUOT SIZE	1/ 16.	1/ 32.	1/ 32.	1/ 32.	1/ 16.	1/ 16.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT II: STATION:	1D1	1D3	1N2	1N4	2D1	2D4
TOTAL NO. PER 1,000 CUBIC METERS	294932.	346666.	381521.	269912.	151199.	216799.
TOTAL MOLLUSCA	7200.	9067.	8904.	3617.	16267.	1867.
TOTAL CRUSTACEA	228533.	267733.	312487.	226782.	70133.	151200.
TOTAL DECAPOD LARVAE	14933.	16533.	72904.	47304.	4267.	7733.
TOTAL COPEPODA	62933.	64000.	155269.	115478.	12800.	23733.
TOTAL ADULT PONTELLID COPEPODS	12000.	14400.	73739.	63443.	1067.	2133.
TOTAL IMMATURE PONTELLID COPEPODS	30400.	29867.	42574.	26435.	1067.	2400.
TOTAL TUNICATES	1067.	533.	3061.	557.	6400.	5867.
TOTAL FISH	0.	533.	1139.	835.	267.	0.
TOTAL FISH EGGS	0.	533.	1113.	3061.	3200.	1600.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.53	0.53	0.56	0.00	1.95	37.80

TABLE 1 CONT.'D

SPRING 1977: TRANSECT II: STATION:	2N3	2N4	3D1	3D2	3N1	3N2
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA						
PORPITA	0.0	0.0	0.0	195.1	0.0	0.0
VELLELA						
SIPHONOPHORE PARTS	RARE	RARE	COMMON	COMMON		
MEDUSAE	615.4	4307.7	8585.4	9365.9	5600.0	10400.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	615.4	0.0	0.0	0.0	400.0	0.0
GASTROPOD MEROPLANKTERS	28307.7	6153.8	0.0	975.6	800.0	800.0
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	3692.3	1846.2	780.5	390.2	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	615.4	0.0	0.0	0.0	0.0	0.0
CRESEIS VIRGULA	27692.3	11692.3	20878.0	27121.9	1600.0	1600.0
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	37538.5	26461.5	975.6	2536.6	29600.0	56800.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA	0.0	0.0	0.0	0.0	400.0	0.0
HYPERIIDAE	407384.6	340307.6	585.4	4097.6	97200.0	99200.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP	2461.5	8615.4	0.0	0.0	8400.0	8000.0
LUCIFER FAXONI	25846.2	19076.9	780.5	1170.7	800.0	4000.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	3076.9	0.0	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	24615.4	32615.4	0.0	0.0	74800.0	76000.0
BRACHYURAN ZOEAS	38153.8	59692.3	195.1	0.0	800.0	1600.0

SPRING 1977: TABLE 1 CONT.'D

TRANSECT II:

STATION: (cont.)	2N3	2N4	3D1	3D2	3N1	3N2
MACRURAN LARVAE						
SHRIMP LARVAE	54769.2	46769.2	1365.9	585.4	9600.0	8800.0
STOMATOPOD ALIMA LARVAE	615.4	615.4	0.0	0.0	0.0	1600.0
EUPHAUSIIDS	0.0	0.0	195.1	390.2	0.0	0.0
CUMACEA						
MYSIDACEA	1230.8	0.0	0.0	0.0	0.0	0.0
OSTRACODA	19076.9	14769.2	1365.9	2926.8	10000.0	11200.0
CLADOCERA	615.4	615.4	390.2	195.1	400.0	1600.0
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE	0.0	0.0	0.0	195.1	0.0	0.0
CANDACIA CURTA FEMALE	0.0	0.0	195.1	195.1	0.0	0.0
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	400.0	800.0
CENTROPAGES FURCATUS MALE	3076.9	5538.5	3902.4	4487.8	17600.0	13600.0
CENTROPAGES FURCATUS FEMALE	9230.8	6769.2	9365.9	11707.3	22000.0	32800.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE	0.0	615.4	0.0	0.0	400.0	0.0
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE	0.0	0.0	0.0	0.0	400.0	0.0
NANNOCALANUS MINOR	0.0	0.0	1756.1	3122.0	2400.0	2400.0
PLEUROMAMMA PISECKI FEMALE	0.0	0.0	0.0	0.0	0.0	800.0
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES	0.0	0.0	0.0	0.0	800.0	800.0
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	36923.1	33230.8	6634.1	11707.3	4000.0	6400.0
TEMORA TURBINATA	3692.3	14769.2	0.0	195.1	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	195.1	0.0	0.0
EUCALANUS ATTENUATUS MALE		-				
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	0.0	0.0	400.0	0.0
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	14769.2	9846.2	5658.5	3707.3	21600.0	20000.0
EUCALANUS SPP. FEMALE	40000.0	39384.6	13073.2	14634.1	35600.0	54400.0
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	2461.5	6769.2	0.0	0.0	1200.0	1600.0
CALANOPIA AMERICANA FEMALE	14769.2	11692.3	390.2	1365.9	400.0	2400.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	38153.8	36923.1	975.6	585.4	35600.0	50400.0

TABLE 1 CONT.'D

SPRING 1977:

TRANSECT II:

STATION:	2N3	2N4	3D1	3D2	3N1	3N2
(cont.)						
LABIDOCERA AESTIVA FEMALE	19076.9	24000.0	1170.7	1170.7	18000.0	28000.0
LABIDOCERA SCOTTI MALE						
LABIDOCERA SCOTTI FEMALE						
LABIDOCERA IMMATURE	12923.1	14153.8	0.0	585.4	2800.0	1600.0
PONTELLA MEADII MALE	12307.7	11692.3	585.4	390.2	0.0	0.0
PONTELLA MEADII FEMALE	1230.8	1230.8	195.1	0.0	0.0	2400.0
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	9846.2	8615.4	585.4	390.2	6000.0	6400.0
PONTELLOPSIS VILLOSA MALE						
PONTELLOPSIS VILLOSA FEMALE						
PONTELLOPSIS IMMATURE						
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	4923.1	9230.8	2926.8	1756.1	4800.0	7200.0
CYCLOPOIDA	1230.8	615.4	585.4	390.2	400.0	800.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	0.0	0.0	195.1	585.4	0.0	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	0.0	195.1	195.1	800.0	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	615.4	1846.2	975.6	1756.1	3200.0	5600.0
CHAETOGNATHS	58461.5	55384.6	23414.6	26731.7	58000.0	60000.0
TUNICATES						
DOLIOLIDS	4307.7	8615.4	6439.0	5463.4	5200.0	4800.0
LARVACEANS	1846.2	1230.8	0.0	195.1	0.0	0.0
SALPS						
FISH	3346.2	1384.6	0.0	0.0	3212.5	1687.5
FISH EGGS	17230.8	12307.7	975.6	585.4	400.0	0.0
HALOBATES MICANS	0.0	0.0	0.0	0.0	400.0	800.0
PLANT STEMS						
PLASTIC						
SARGASSUM					PRESENT	PRESENT
SARGASSUM FAUNA					PRESENT	PRESENT
TAR	0.6	0.0	0.2	0.2	0.0	0.3
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT			PRESENT		
COPEPOD EXOSKELETONS	RARE	RARE				
SHELL FRAGMENTS						
STRING						
FEATHERS					COMMON	
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	987345.	889384.	116292.	142243.	486413.	587288.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	615.4	615.4	195.1	195.1	400.0	800.0
ALIQUOT SIZE	1/ 64.	1/ 64.	1/ 16.	1/ 16.	1/ 32.	1/ 64.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT II: STATION:	2N3	2N4	3D1	3D2	3N1	3N2
TOTAL NO. PER 1.000 CUBIC METERS	987345.	889384.	116292.	142243.	486413.	587238.
TOTAL MOLLUSCA	98462.	46154.	22634.	31024.	32400.	59200.
TOTAL CRUSTACEA	801230.	757538.	52293.	65756.	376800.	444000.
TOTAL DECAPOD LARVAE	120615.	139077.	1561.	585.	85200.	86400.
TOTAL COPEPODA	223384.	234461.	47415.	55390.	174400.	232000.
TOTAL ADULT PONTELLID COPEPODS	88000.	92308.	3317.	3512.	55200.	84800.
TOTAL IMMATURE PONTELLID COPEPODS	22769.	22769.	585.	976.	8800.	8000.
TOTAL TUNICATES	6154.	9846.	6439.	5659.	5200.	4800.
TOTAL FISH	3346.	1385.	0.	0.	3213.	1688.
TOTAL FISH EGGS	17231.	12308.	976.	585.	400.	0.
TAR (GRAMS PER 1.000 CUBIC METERS)	0.62	0.00	0.20	0.20	0.00	0.80

TABLE 1 CONT.'D

SPRING 1977: TRANSECT III: STATION:	1D4	1D1	2D2	2D4	3D1	3D4
FORAMINIFERA	0.0	177.8	0.0	0.0	63.5	63.5
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS		RARE	COMMON	RARE	COMMON	COMMON
MEDUSAE	1777.8	2311.1	2980.4	4862.7	1587.3	1015.9
CTENOPHORES	0.0	0.0	0.0	0.0	127.0	63.5
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE	177.8	0.0	0.0	0.0	0.0	0.0
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	0.0	156.9	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	177.8	177.8	0.0	156.9	0.0	0.0
GASTROPOD MEROPLANKTERS	177.8	355.6	156.9	627.5	317.5	190.5
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	355.6	0.0	1333.3	941.2	127.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA						
CRESEIS VIRGULA	7288.9	533.3	6588.2	7058.8	5523.8	5142.9
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	177.8	470.6	1411.8	190.5	127.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	355.6	355.6	0.0	0.0	0.0	0.0
CRUSTACEA						
AMPHIPODA	0.0	0.0	78.4	0.0	0.0	0.0
HYPERIIDAE	177.8	355.6	705.9	2980.4	127.0	63.5
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP						
LUCIFER FAXONI	5866.7	7111.1	1568.6	1568.6	381.0	190.5
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	533.3	0.0	0.0	470.6	127.0	0.0
BRACHYURAN MEGALOPS	177.8	1244.4	784.3	156.9	63.5	0.0
BRACHYURAN ZOEAS	2666.7	4266.7	3372.5	3294.1	825.4	317.5

TABLE 1 CONT.'D

SPRING 1977:

TRANSECT III:

STATION: (cont.)	1D4	1D1	2D2	2D4	3D1	3D4
MACRURAN LARVAE						
SHRIMP LARVAE	8355.6	12444.4	11686.3	11607.8	2603.2	1269.8
STOMATOPOD ALIMA LARVAE	355.6	177.8	705.9	1098.0	254.0	0.0
EUPHAUSIIDS						
CUMACEA						
MYSIDACEA	3022.2	4444.4	3294.1	2352.9	698.4	1206.3
OSTRACODA	70044.4	34488.9	32000.0	47058.8	18222.2	28825.4
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE	0.0	0.0	0.0	0.0	190.5	0.0
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	355.6	888.9	941.2	784.3	3555.6	2857.1
CENTROPAGES FURCATUS FEMALE	1777.8	1244.4	2823.5	1725.5	4761.9	2920.6
EUCHAETA MARINA MALE	0.0	0.0	78.4	0.0	0.0	0.0
EUCHAETA MARINA FEMALE	0.0	0.0	78.4	0.0	0.0	0.0
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE	0.0	0.0	235.3	0.0	0.0	0.0
NANNOCALANUS MINOR	177.8	0.0	313.7	627.5	381.0	127.0
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	4977.8	1955.6	12000.0	9725.5	7174.6	3365.1
TEMORA TURBINATA	0.0	21333.3	1490.2	2509.8	63.5	190.5
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE	0.0	0.0	156.9	0.0	0.0	0.0
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	4622.2	7288.9	9333.3	6902.0	0.0	0.0
EUCALANUS SPP. FEMALE	14755.5	18844.4	15921.6	14902.0	14222.2	9714.3
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE	177.8	0.0	0.0	0.0	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	1244.4	2488.9	2196.1	4549.0	571.4	190.5

TABLE 1 CONT.'D

SPRING 1977:

TRANSECT III:

STATION: (cont.)	1D4	1D1	2D2	2D4	3D1	3D4
LABIDOCERA AESTIVA FEMALE	1422.2	1955.6	549.0	784.3	698.4	381.0
LABIDOCERA SCOTTI MALE						
LABIDOCERA SCOTTI FEMALE						
LABIDOCERA IMMATURE	1600.0	533.3	2509.8	2823.5	634.9	761.9
PONTELLA MEADII MALE	177.8	0.0	0.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE	0.0	0.0	156.9	0.0	0.0	127.0
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	177.8	177.8	0.0	470.6	63.5	127.0
PONTELLOPSIS VILLOSA MALE	0.0	0.0	78.4	0.0	0.0	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	0.0	0.0	63.5	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	78.4	0.0	0.0	0.0
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	1244.4	1600.0	1098.0	1254.9	317.5	444.4
CYCLOPOIDA	533.3	1600.0	1411.8	941.2	888.9	1142.9
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	177.8	0.0	0.0	0.0	0.0	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	0.0	0.0	0.0	317.5	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	24000.0	0.0	26588.2	52862.7	36254.0	44317.5
CHAETOGNATHS	35555.5	38933.3	33490.2	33882.3	29015.9	21714.3
TUNICATES						
DOLIOLIDS	12977.8	9244.4	9882.3	7215.7	34730.2	34476.2
LARVACEANS	0.0	0.0	0.0	0.0	127.0	0.0
SALPS						
FISH	177.8	0.0	156.9	156.9	190.5	127.0
FISH EGGS	4622.2	6400.0	1568.6	1882.4	1079.4	2539.7
HALOBATES MICANS						
PLANT STEMS						
PLASTIC	PRESENT					
SARGASSUM						
SARGASSUM FAUNA						
TAR	0.2	0.0	0.4	0.0	0.0	0.0
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS		RARE			RARE	RARE
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	212266.	183111.	188862.	229803.	166539.	163999.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	177.8	177.8	78.4	156.9	63.5	63.5
ALIQUOT SIZE	1/ 8.	1/ 8.	1/ 4.	1/ 8.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT III: STATION:	1D4	1D1	2D2	2D4	3D1	3D4
TOTAL NO. PER 1,000 CUBIC METERS	212266.	183111.	188862.	229803.	166539.	163999.
TOTAL MOLLUSCA	8356.	1600.	8549.	10196.	6159.	5460.
TOTAL CRUSTACEA	123911.	122844.	104235.	117647.	56000.	53079.
TOTAL DECAPOD LARVAE	11733.	17956.	15843.	15529.	3619.	1587.
TOTAL COPEPODA	32711.	58311.	50039.	47059.	32698.	21206.
TOTAL ADULT PONTELLID COPEPODS	3022.	4444.	2980.	5333.	1333.	698.
TOTAL IMMATURE PONTELLID COPEPODS	1778.	711.	2588.	3294.	698.	889.
TOTAL TUNICATES	12978.	9244.	9882.	7216.	34857.	34476.
TOTAL FISH	178.	0.	157.	157.	190.	127.
TOTAL FISH EGGS	4622.	6400.	1569.	1882.	1079.	2540.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.18	0.00	0.39	0.00	0.00	0.00

TABLE 1 CONT.'D

SPRING 1977: TRANSECT IV: STATION:	1D1	1D2	2D2	2D3	3D1	3D3
FORAMINIFERA	0.0	0.0	0.0	0.0	579.7	58.0
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA	0.0	0.0	0.0	0.0	0.0	58.0
SIPHONOPHORE PARTS	RARE	RARE			COMMON	
MEDUSAE	0.0	0.0	12387.1	12387.1	115.9	115.9
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	293.6	0.0	0.0	58.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	293.6	0.0	1376.3	1376.3	347.8	231.9
GLAUCUS	0.0	0.0	0.0	0.0	0.0	58.0
JANTHINA SHELLS	0.0	0.0	0.0	0.0	0.0	58.0
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	293.6	1376.3	0.0	58.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	0.0	0.0	231.9	173.9
CRESEIS VIRGULA	587.2	880.7	4129.0	12387.1	695.7	463.8
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	1174.3	880.7	0.0	1376.3	115.9	115.9
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	0.0	0.0	0.0	0.0	58.0	0.0
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	1467.9	293.6	22021.5	26150.5	115.9	0.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP						
LUCIFER FAXONI	11156.0	1614.7	366107.5	465204.3	58.0	0.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	293.6	146.8	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	1174.3	440.4	0.0	0.0	0.0	58.0
BRACHYURAN ZOEAS	5578.0	1908.3	0.0	1376.3	289.9	115.9

TABLE 1 CONT.'D

SPRING 1977:

TRANSECT IV:

STATION: (cont.)	1D1	1D2	2D2	2D3	3D1	3D3
MACRURAN LARVAE						
SHRIMP LARVAE	8220.2	1614.7	1376.3	0.0	0.0	58.0
STOMATOPOD ALIMA LARVAE	293.6	146.8	0.0	0.0	0.0	0.0
EUPHAUSIIDS						
CUMACEA						
MYSIDACEA	293.6	0.0	0.0	0.0	0.0	58.0
OSTRACODA	49614.7	9834.9	15139.8	0.0	173.9	173.9
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	2935.8	587.2	1376.3	9634.4	347.8	231.9
CENTROPAGES FURCATUS FEMALE	6752.3	1908.3	28903.2	33032.3	1797.1	1101.4
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	0.0	1376.3	0.0	115.9	231.9
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE	0.0	0.0	0.0	0.0	58.0	0.0
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	2348.6	1467.9	4129.0	2752.7	231.9	231.9
TEMORA TURBINATA	587.2	440.4	0.0	5505.4	0.0	58.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	0.0	231.9	0.0
EUCALANUS ATTENUATUS MALE	0.0	0.0	0.0	0.0	115.9	0.0
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	0.0	1376.3	0.0	58.0
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	9394.5	8367.0	12387.1	15139.8	289.9	811.6
EUCALANUS SPP. FEMALE	31412.8	2935.8	44043.0	41290.3	985.5	521.7
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE	0.0	146.8	0.0	0.0	0.0	58.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	9394.5	3816.5	0.0	0.0	58.0	0.0

TABLE 1 CONT'D

SPRING 1977:

TRANSECT IV:

STATION:	1D1	1D2	2D2	2D3	3D1	3D3
(cont.)						
LABIDOCERA AESTIVA FEMALE	5871.6	1614.7	5505.4	1376.3	0.0	58.0
LABIDOCERA SCOTTI MALE	0.0	0.0	0.0	0.0	58.0	0.0
LABIDOCERA SCOTTI FEMALE						
LABIDOCERA IMMATURE	5578.0	1761.5	0.0	1376.3	173.9	347.8
PONTELLA MEADII MALE	21137.6	5431.2	0.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE	8513.8	3229.4	0.0	0.0	58.0	0.0
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE	0.0	0.0	0.0	0.0	58.0	0.0
PONTELLA ATLANTICA FEMALE	0.0	0.0	0.0	0.0	58.0	0.0
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE	0.0	0.0	0.0	0.0	0.0	115.9
PONTELLA IMMATURE	66935.8	17614.7	0.0	1376.3	115.9	115.9
PONTELLOPSIS VILLOSA MALE						
PONTELLOPSIS VILLOSA FEMALE	0.0	146.8	0.0	0.0	0.0	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	0.0	0.0	58.0	0.0
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE	0.0	0.0	0.0	0.0	0.0	115.9
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	293.6	587.2	1376.3	5505.4	231.9	173.9
CYCLOPOIDA	587.2	733.9	0.0	1376.3	347.8	173.9
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	0.0	0.0	0.0	0.0	173.9	173.9
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	293.6	0.0	0.0	0.0	0.0	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	880.7	1467.9	2752.7	12387.1	173.9	0.0
CHAETOGNATHS	33761.5	9247.7	23397.8	35784.9	22260.9	22666.7
TUNICATES						
DOLIOLIDS	39339.4	11743.1	5505.4	19268.8	2029.0	3304.3
LARVACEANS	293.6	0.0	2752.7	2752.7	0.0	463.8
SALPS						
FISH	293.6	440.4	0.0	10.8	130.4	289.9
FISH EGGS	15266.1	7486.2	0.0	2752.7	1333.3	1797.1
HALOBATES MICANS	587.2	440.4	0.0	0.0	115.9	53.0
PLANT STEMS						
PLASTIC						
SARGASSUM				PRESENT		PRESENT
SARGASSUM FAUNA	0.3	0.9	0.0	0.0	0.5	0.1
TAR	0.0	0.0	0.0	0.0	58.0	115.9
TERRESTRIAL INSECTS				PRESENT	PRESENT	
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT				
COPEPOD EXOSKELETONS	RARE	RARE				
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	342605.	99963.	557419.	712957.	34565.	35072.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	293.6	146.8	1376.3	1376.3	58.0	58.0
ALIQUOT SIZE	1/ 32.	1/ 16.	1/128.	1/128.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT IV: STATION:	1D1	1D2	2D2	2D3	3D1	3D3
TOTAL NO. PER 1,000 CUBIC METERS	342605.	99963.	557419.	712957.	34565.	33072.
TOTAL MOLLUSCA	2055.	2055.	6882.	15140.	1507.	1101.
TOTAL CRUSTACEA	249247.	66055.	503742.	611097.	5681.	4696.
TOTAL DECAPOD LARVAE	15266.	4110.	1376.	1376.	290.	232.
TOTAL COPEPODA	171156.	50055.	99097.	118365.	5043.	4232.
TOTAL ADULT PONTELLID COPEPODS	44917.	14385.	5505.	1376.	290.	348.
TOTAL IMMATURE PONTELLID COPEPODS	72514.	19376.	0.	2753.	348.	464.
TOTAL TUNICATES	39633.	11743.	8258.	22022.	2029.	3768.
TOTAL FISH	294.	440.	0.	11.	130.	290.
TOTAL FISH EGGS	15266.	7486.	0.	2753.	1333.	1797.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.29	0.88	0.00	0.00	0.52	0.12

TABLE 1 CONT.'D

JULY 1977: TRANSECT II: STATION:	1D2	1D4	1N1	1N2	2D2	2D3
FORAMINIFERA	326.5	0.0	747.7	448.6	158.4	316.8
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS			ABUNDANT	ABUNDANT	RARE	RARE
MEDUSAE	5551.0	4244.9	149.5	299.1	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE	326.5	0.0	0.0	448.6	0.0	0.0
OTHER	326.5	0.0	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	0.0	0.0	0.0	149.5	0.0	0.0
GLAUCUS						
JANTHINA SHELLS	0.0	0.0	0.0	0.0	0.0	39.6
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	0.0	149.5	149.5	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS	0.0	0.0	149.5	0.0	0.0	0.0
CAVOLINIA UNCINATA						
CRESEIS ACICULA	653.1	979.6	149.5	0.0	39.6	0.0
CRESEIS VIRGULA	0.0	0.0	448.6	149.5	158.4	118.8
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	326.5	19887.8	15700.9	0.0	0.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	0.0	0.0	299.1	0.0	39.6	0.0
CRUSTACEA						
AMPHIPODA	0.0	0.0	0.0	0.0	39.6	0.0
HYPERIIDAE	41469.4	32000.0	5084.1	9570.1	396.0	0.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	0.0	10.2	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	0.0	0.0	149.5	0.0	0.0	0.0
LUCIFER FAXONI	35265.3	19265.3	13158.9	7925.2	79.2	0.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	326.5	0.0	448.6	149.5	0.0	0.0
BRACHYURAN ZOEAS	11755.1	11428.6	5084.1	5383.2	158.4	237.6

JULY 1977: TABLE 1 CONT'D

TRANSECT II:

STATION: (cont.)	1D2	1D4	1N1	1N2	2D2	2D3
MACRURAN LARVAE						
SHRIMP LARVAE	326.5	326.5	1046.7	299.1	0.0	0.0
STOMATOPOD ALIMA LARVAE	3591.8	1632.7	149.5	299.1	79.2	39.6
EUPHAUSIIDS						
CUMACEA	0.0	0.0	0.0	149.5	0.0	0.0
MYSIDACEA	326.5	0.0	1345.8	2542.1	39.6	0.0
OSTRACODA	2612.2	1959.2	7327.1	8672.9	198.0	198.0
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	299.1	0.0	0.0
CENTROPAGES FURCATUS MALE	18612.2	8163.3	22280.4	25121.5	198.0	118.8
CENTROPAGES FURCATUS FEMALE	52571.4	32000.0	41271.0	43364.5	554.5	316.8
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	326.5	0.0	299.1	149.5	0.0	0.0
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	40163.3	32979.6	1943.9	598.1	1663.4	1029.7
TEMORA TURBINATA	326.5	326.5	0.0	149.5	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	0.0	0.0	897.2	1196.3	0.0	0.0
EUCALANUS SPP. FEMALE	0.0	0.0	1794.4	1196.3	0.0	0.0
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	299.1	1495.3	0.0	0.0
CALANOPIA AMERICANA FEMALE	0.0	326.5	1046.7	2093.5	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

TABLE 1 CONT'D

JULY 1977:

TRANSECT II:

STATION: (cont.)	1D2	1D4	1N1	1N2	2D2	2D3
LABIDOCERA AESTIVA FEMALE						
LABIDOCERA SCOTTI MALE	979.6	2285.7	19289.7	15102.8	39.6	0.0
LABIDOCERA SCOTTI FEMALE	326.5	0.0	299.1	448.6	0.0	0.0
LABIDOCERA IMMATURE	326.5	0.0	448.6	448.6	514.9	277.2
PONTELLA MEADII MALE	0.0	326.5	0.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE						
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	0.0	979.6	0.0	0.0	158.4	118.8
PONTELLOPSIS VILLOSA MALE	0.0	0.0	1196.3	299.1	0.0	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	299.1	747.7	0.0	39.6
PONTELLOPSIS IMMATURE	979.6	2285.7	0.0	299.1	39.6	118.8
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	326.5	0.0	2093.5	4635.5	0.0	0.0
CYCLOPOIDA	0.0	326.5	1196.3	1046.7	0.0	0.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	0.0	0.0	0.0	149.5	0.0	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	326.5	0.0	3887.9	3887.9	0.0	0.0
CHAETOGNATHS	8816.3	3591.8	4336.4	3588.8	158.4	79.2
TUNICATES						
DOLIOLIDS	0.0	0.0	598.1	897.2	0.0	0.0
LARVACEANS	3591.8	2285.7	9719.6	18691.6	79.2	39.6
SALPS						
FISH	653.1	979.6	11962.6	14953.3	237.6	237.6
FISH EGGS	47020.4	34612.2	42317.8	0.0	9386.1	7366.3
HALOBATES MICANS	0.0	326.5	598.1	299.1	79.2	39.6
PLANT STEMS						
PLASTIC						
SARGASSUM		PRESENT	PRESENT			
SARGASSUM FAUNA		PRESENT	PRESENT			PRESENT
TAR	0.0	0.0	0.3	0.6	0.0	0.2
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS			PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	278203.	193969.	223850.	193495.	14495.	10733.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	326.5	326.5	149.5	149.5	39.6	39.6
ALIQUOT SIZE	1/ 32.	1/ 32.	1/ 16.	1/ 16.	1/ 4.	1/ 4.

TABLE 1 CONT'D

JULY 1977: TRANSECT II: STATION:	1D2	1D4	1N1	1N2	2D2	2D3
TOTAL NO. PER 1,000 CUBIC METERS	278203.	193969.	223850.	193495.	14495.	10733.
TOTAL MOLLUSCA	653.	1306.	21084.	16150.	238.	158.
TOTAL CRUSTACEA	210612.	146295.	127252.	132635.	4158.	2495.
TOTAL DECAPOD LARVAE	12408.	11755.	6579.	5832.	158.	233.
TOTAL COPEPODA	114939.	79673.	93458.	97645.	3168.	2020.
TOTAL ADULT PONTELLIC COPEPODS	1306.	2939.	22430.	20187.	40.	40.
TOTAL IMMATURE PONTELLID COPEPODS	1306.	3265.	449.	748.	713.	515.
TOTAL TUNICATES	3592.	2286.	10318.	19589.	79.	40.
TOTAL FISH	653.	980.	11963.	14953.	238.	238.
TOTAL FISH EGGS	47020.	34612.	42318.	0.	9386.	7366.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.00	0.00	0.30	0.60	0.00	0.2

TABLE 1 CONT'D

JULY 1977: TRANSECT II: STATION:	2N1	2N2	3D1	3D2	3N1	3N3
FORAMINIFERA	5082.4	3952.9	45.5	45.5	0.0	0.0
SIPHONOPHORES						
PHYSALIA						
PORPITA	11.8	0.0	0.0	0.0	0.0	0.0
VELLELA						
SIPHONOPHORE PARTS	COMMON	COMMON	COMMON	RARE	COMMON	COMMON
MEDUSAE	1129.4	188.2	636.4	500.0	820.5	820.5
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE	0.0	0.0	0.0	0.0	273.5	273.5
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	45.5	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	45.5	0.0	0.0	0.0
GASTROPOD MEROPLANKTERS	941.2	188.2	0.0	45.5	0.0	547.0
GLAUCUS	0.0	0.0	0.0	45.5	0.0	0.0
JANTHINA SHELLS	0.0	0.0	500.0	45.5	0.0	0.0
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	0.0	136.4	0.0	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	188.2	0.0	227.3	90.9	547.0	547.0
CRESEIS VIRGULA	188.2	564.7	500.0	227.3	0.0	273.5
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	17317.6	9035.3	136.4	2181.8	4649.6	3008.5
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA	0.0	0.0	0.0	0.0	3008.5	547.0
HYPERIIDAE	2635.3	15247.1	45.5	45.5	17777.8	3008.5
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	211.8	0.0	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	0.0	0.0	0.0	0.0	13948.7	11760.7
LUCIFER FAXONI	6211.8	6400.0	500.0	500.0	14769.2	17777.8
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	0.0	188.2	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	564.7	1129.4	0.0	0.0	8205.1	10393.2
BRACHYURAN ZOEAS	0.0	941.2	90.9	0.0	3008.5	5470.1

TABLE 1 CONT.'D

JULY 1977:

TRANSECT II:

STATION: (cont.)	2N1	2N2	3D1	3D2	3N1	3N3
MACRURAN LARVAE						
SHRIMP LARVAE	2258.8	4894.1	90.9	45.5	3008.5	4923.1
STOMATOPOD ALIMA LARVAE	564.7	564.7	0.0	0.0	5196.6	4649.6
EUPHAUSIIDS	0.0	188.2	0.0	45.5	2735.0	2461.5
CUMACEA						
MYSIDACEA	376.5	1129.4	0.0	0.0	0.0	0.0
OSTRACODA	1317.6	1317.6	0.0	0.0	13128.2	7658.1
CLADOCERA	1882.4	1882.4	954.5	545.5	0.0	0.0
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	45.5	273.5	547.0
CENTROPAGES FURCATUS MALE	1317.6	752.9	45.5	45.5	547.0	547.0
CENTROPAGES FURCATUS FEMALE	3764.7	5082.4	727.3	136.4	1094.0	820.5
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	188.2	564.7	0.0	45.5	273.5	1367.5
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	2447.1	4141.2	3681.8	5318.2	10119.7	15589.7
TEMORA TURBINATA	0.0	0.0	0.0	0.0	273.5	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	188.2	376.5	227.3	409.1	0.0	0.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	0.0	376.5	0.0	136.4	820.5	0.0
EUCALANUS SPP. FEMALE	564.7	564.7	0.0	227.3	2188.0	1914.5
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	0.0	0.0	273.5	273.5
CALANOPIA AMERICANA FEMALE	0.0	0.0	0.0	0.0	547.0	547.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

JULY 1977: TABLE 1 CONT.'D

TRANSECT II:

STATION: (cont.)	2N1	2N2	3D1	3D2	3N1	3N3
LABIDOCERA AESTIVA FEMALE						
LABIDOCERA SCOTTI MALE	6211.8	5082.4	45.5	90.9	2461.5	1094.0
LABIDOCERA SCOTTI FEMALE	2259.8	1129.4	0.0	0.0	820.5	547.0
LABIDOCERA IMMATURE	376.5	0.0	727.3	636.4	273.5	0.0
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE	0.0	0.0	45.5	45.5	0.0	0.0
PONTELLA ATLANTICA FEMALE	0.0	0.0	45.5	0.0	0.0	0.0
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	0.0	1317.6	2954.5	2636.4	0.0	547.0
PONTELLOPSIS VILLOSA MALE	0.0	0.0	136.4	0.0	273.5	273.5
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	45.5	45.5	0.0	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	181.8	45.5	0.0	0.0
PONTELLINA PLUMATA MALE	0.0	0.0	0.0	0.0	0.0	273.5
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	1505.9	1882.4	1181.8	1272.7	3008.5	3829.1
CYCLOPOIDA	0.0	752.9	2863.6	2772.7	0.0	273.5
COPILIA MIRABILIS MALE	0.0	376.5	0.0	45.5	0.0	0.0
COPILIA MIRABILIS FEMALE	0.0	564.7	0.0	0.0	0.0	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	0.0	0.0	0.0	0.0	820.5
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS	0.0	0.0	0.0	45.5	0.0	0.0
ECHINODERM LARVAE	1317.6	3200.0	0.0	0.0	0.0	0.0
CHAETOGNATHS	16941.2	24470.6	4363.6	6545.5	20512.8	24068.4
TUNICATES						
DOLIOLIDS	3011.8	1882.4	45.5	136.4	1641.0	820.5
LARVACEANS	1505.9	2635.3	318.2	1181.8	0.0	0.0
SALPS	0.0	376.5	0.0	0.0	0.0	0.0
FISH	6211.8	3976.5	2522.7	2170.5	2735.0	3282.1
FISH EGGS	6211.8	2635.3	12136.4	13454.5	9025.6	4376.1
HALOBATES MICANS	0.0	376.5	181.8	227.3	0.0	547.0
PLANT STEMS			PRESENT	PRESENT		
PLASTIC		PRESENT	PRESENT	PRESENT		
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT		
TAR	0.9	7.3	2.7	24.0	0.0	0.5
TERRESTRIAL INSECTS	0.0	0.0	11.4	0.0	0.0	0.0
WOOD						
MISCELLANEOUS DEBRIS			PRESENT	PRESENT		
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	94906.	110329.	36443.	42080.	148239.	136478.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	188.2	188.2	45.5	45.5	273.5	273.5
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 4.	1/ 4.	1/ 32.	1/ 32.

TABLE 1 CONT.'D

JULY 1977: TRANSECT II: STATION:	2N1	2N2	3D1	3D2	3N1	3N3
TOTAL NO. PER 1.000 CUBIC METERS	94906.	110329.	36443.	42080.	148239.	136478.
TOTAL MOLLUSCA	18635.	9788.	1545.	2636.	5197.	4376.
TOTAL CRUSTACEA	34847.	55153.	11727.	12318.	108034.	96820.
TOTAL DECAPOD LARVAE	2824.	7153.	182.	45.	14222.	20786.
TOTAL COPEPODA	18824.	21271.	10045.	11136.	23248.	28171.
TOTAL ADULT PONTELLID COPEPODS	8471.	6212.	318.	182.	4376.	3009.
TOTAL IMMATURE PONTELLID COPEPODS	376.	1318.	3864.	3318.	274.	547.
TOTAL TUNICATES	4518.	4894.	364.	1318.	1641.	821.
TOTAL FISH	6212.	3576.	2523.	2170.	2735.	3282.
TOTAL FISH EGGS	6212.	2635.	12136.	13455.	9026.	4376.
TAR (GRAMS PER 1.000 CUBIC METERS)	0.94	7.34	2.67	24.00	0.00	0.5

TABLE 1 CONT.'D

AUGUST 1977: TRANSECT II: STATION:	1D2	1D4	1N1	1N3	2D1	2D3
FORAMINIFERA	0.0	0.0	0.0	0.0	2838.7	2150.5
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS	RARE	RARE	RARE	RARE	COMMON	COMMON
MEDUSAE	0.0	0.0	278.3	278.3	0.0	172.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	278.3	278.3	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	38.8	0.0	556.5	556.5	0.0	0.0
GASTROPOD MEROPLANKTERS	38.8	0.0	278.3	278.3	86.0	0.0
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE						
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	575443.4	575443.4	0.0	0.0
CRESEIS VIRGULA	0.0	38.8	0.0	0.0	129.0	0.0
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	0.0	0.0	0.0	43.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES	38.8	0.0	0.0	0.0	0.0	0.0
OTHER	0.0	0.0	0.0	0.0	0.0	43.0
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	310.7	38.8	31443.5	31443.5	0.0	0.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS	0.0	0.0	556.5	556.5	0.0	0.0
PORTUNID CRABS						
CARIDEAN SHRIMP	0.0	0.0	0.0	0.0	43.0	0.0
LUCIFER FAXONI	3805.8	4349.5	47304.3	47304.3	172.0	43.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	116.5	155.3	3060.9	3060.9	0.0	0.0
BRACHYURAN ZOEAS	38.8	0.0	35339.1	35339.1	129.0	0.0

TABLE 1 CONT.'D

AUGUST 1977:

TRANSECT II:

STATION: (cont.)	1D2	1D4	1N1	1N3	2D1	2D3
MACRURAN LARVAE	77.7	38.8	3617.4	3617.4	0.0	0.0
SHRIMP LARVAE	0.0	0.0	2782.6	2782.6	0.0	0.0
STOMATOPOD ALIMA LARVAE						
EUPHAUSIIDS						
CUMACEA	0.0	0.0	1669.6	1669.6	0.0	0.0
MYSIDACEA						
OSTRACODA	0.0	0.0	0.0	0.0	129.0	129.0
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	0.0	38.8	4452.2	4452.2	0.0	0.0
CENTROPAGES FURCATUS FEMALE	660.2	660.2	23095.6	23095.6	86.0	0.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR						
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	0.0	0.0	1391.3	1391.3	43.0	86.0
TEMORA TURBINATA	77.7	0.0	278.3	278.3	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	0.0	0.0	0.0	43.0
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	0.0	129.0	129.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES	77.7	155.3	2226.1	2226.1	0.0	0.0
EUCALANUS PILEATUS IMMATURES	0.0	0.0	278.3	278.3	0.0	43.0
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	0.0	0.0	43.0	0.0
CALANOPIA AMERICANA FEMALE	0.0	0.0	278.3	278.3	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

TABLE 1 CONT.'D

AUGUST 1977:

TRANSECT II:

STATION:	1D2	1D4	1N1	1N3	2D1	2D3
(cont.)						
LABIDOCERA AESTIVA FEMALE						
LABIDOCERA SCOTTI MALE	621.4	854.4	1391.3	1391.3	0.0	0.0
LABIDOCERA SCOTTI FEMALE	660.2	815.5	278.3	278.3	301.1	215.1
LABIDOCERA IMMATURE	233.0	233.0	2226.1	2226.1	258.1	301.1
PONTELLA MEADII MALE	116.5	116.5	0.0	0.0	0.0	43.0
PONTELLA MEADII FEMALE						
PONTELLA MIMOCERAMI	660.2	970.9	278.3	278.3	0.0	0.0
PONTELLA SECURIFER MALE	116.5	77.7	0.0	0.0	0.0	0.0
PONTELLA SECURIFER FEMALE	38.8	77.7	0.0	0.0	0.0	0.0
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	737.9	699.0	0.0	0.0	946.2	602.2
PONTELLOPSIS VILLOSA MALE	893.2	815.5	5843.5	5843.5	516.1	258.1
PONTELLOPSIS VILLOSA FEMALE	543.7	582.5	7791.3	7791.3	86.0	172.0
PONTELLOPSIS IMMATURE	155.3	77.7	2226.1	2226.1	215.1	258.1
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	0.0	0.0	278.3	278.3	43.0	129.0
CYCLOPOIDA	0.0	0.0	278.3	278.3	344.1	301.1
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	0.0	0.0	0.0	0.0	344.1	215.1
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	0.0	0.0	0.0	0.0	43.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	77.7	0.0	0.0	0.0	817.2	989.2
CHAETOGNATHS	388.3	116.5	1947.8	1947.8	1806.5	1978.5
TUNICATES						
DOLIOLIDS	0.0	0.0	0.0	0.0	43.0	0.0
LARVACEANS	116.5	38.8	6400.0	6400.0	4817.2	4731.2
SALPS	0.0	0.0	0.0	0.0	43.0	86.0
FISH	38.8	155.3	10295.6	10295.6	172.0	301.1
FISH EGGS	1592.2	194.2	1113.0	1113.0	5075.3	2795.7
HALOBATES MICANS	194.2	77.7	0.0	0.0	129.0	43.0
PLANT STEMS						PRESENT
PLASTIC						
SARGASSUM		PRESENT			PRESENT	
SARGASSUM FAUNA					PRESENT	
TAR	0.1	0.1	0.0	0.0	0.9	0.1
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	12466.	11379.	774956.	774956.	19785.	16344.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	38.8	38.8	278.3	278.3	43.0	43.0
ALIQUOT SIZE	1/ 4.	1/ 4.	1/ 32.	1/ 32.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

AUGUST 1977: TRANSECT II: STATION:	1D2	1D4	1N1	1N3	2D1	2D3
TOTAL NO. PER 1,000 CUBIC METERS	12466.	11379.	774956.	774956.	19785.	16344.
TOTAL MOLLUSCA	117.	39.	576278.	576278.	215.	86.
TOTAL CRUSTACEA	9942.	10757.	178087.	178087.	3140.	2452.
TOTAL DECAPOD LARVAE	233.	194.	42017.	42017.	129.	0.
TOTAL COPEPODA	5592.	6175.	52313.	52313.	2667.	2280.
TOTAL ADULT PONTELLID COPEPODS	3650.	4311.	15861.	15861.	946.	688.
TOTAL IMMATURE PONTELLID COPEPODS	1126.	1010.	4452.	4452.	1419.	1161.
TOTAL TUNICATES	117.	39.	6400.	6400.	4903.	4817.
TOTAL FISH	39.	155.	10296.	10296.	172.	301.
TOTAL FISH EGGS	1592.	194.	1113.	1113.	5075.	2796.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.12	0.12	0.00	0.00	0.90	0.13

TABLE 1 CONT.'D

AUGUST 1977: TRANSECT II: STATION:	2N1	2N4	3D2	3D3	3N1	3N3
FORAMINIFERA	1156.6	1060.2	32.8	65.6	375.0	562.5
SIPHONOPHORES						
PHYSALIA						
PORPITA	0.0	0.0	0.0	0.0	31.3	0.0
VELLELA						
SIPHONOPHORE PARTS	RARE	RARE	COMMON	COMMON		COMMON
MEDUSAE	192.8	96.4	65.6	131.1	125.0	187.5
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE	96.4	0.0	32.8	0.0	0.0	0.0
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	578.3	192.8	98.4	32.8	187.5	62.5
GLAUCUS						
JANTHINA SHELLS	0.0	0.0	0.0	0.0	62.5	62.5
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	192.8	96.4	32.8	0.0	0.0	250.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS	0.0	0.0	0.0	0.0	0.0	125.0
CAVOLINIA UNCINATA						
CRESEIS ACICULA	674.7	96.4	98.4	98.4	250.0	312.5
CRESEIS VIRGULA	2891.6	1156.6	918.0	196.7	312.5	187.5
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	2024.1	1060.2	131.1	163.9	1250.0	2437.5
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	0.0	0.0	0.0	0.0	625.0	250.0
CRUSTACEA	0.0	0.0	0.0	0.0	62.5	62.5
AMPHIPODA	82795.1	46072.3	32.8	131.1	3687.5	5500.0
HYPERIIDAE						
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP	96.4	0.0	0.0	0.0	1125.0	1125.0
LUCIFER FAXONI	10891.6	9349.4	1704.9	1377.0	5250.0	7437.5
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	2313.3	5204.8	262.3	65.6	8562.5	12500.0
BRACHYURAN ZOEAS	31036.1	27759.0	163.9	0.0	1250.0	1625.0

TABLE 1 CONT.'D

AUGUST 1977:

TRANSECT II:

STATION:	2N1	2N4	3D2	3D3	3N1	3N3
(cont.)						
MACRURAN LARVAE	5108.4	1445.8	0.0	0.0	437.5	1000.0
SHRIMP LARVAE	0.0	0.0	0.0	0.0	203.1	250.0
STOMATOPOD ALIMA LARVAE	0.0	0.0	98.4	32.8	0.0	187.5
EUPHAUSIIDS						
CUMACEA	2602.4	2024.1	0.0	0.0	125.0	125.0
MYSIDACEA	0.0	0.0	0.0	0.0	500.0	375.0
OSTRACODA	0.0	0.0	32.8	98.4	62.5	187.5
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	674.7	96.4	0.0	0.0	0.0	62.5
CENTROPAGES FURCATUS FEMALE	2698.8	1445.8	0.0	0.0	62.5	125.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	0.0	0.0	32.8	0.0	0.0
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	963.9	481.9	32.8	32.8	1125.0	1312.5
TEMORA TURBINATA	96.4	0.0	32.8	0.0	0.0	62.5
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	289.2	0.0	32.8	0.0	0.0	0.0
UNDINULA VULGARIS FEMALE	192.8	96.4	0.0	0.0	0.0	62.5
UNDINULA VULGARIS IMMATURES	2698.8	578.3	131.1	0.0	4875.0	7562.5
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES	0.0	0.0	32.8	0.0	0.0	0.0
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	0.0	0.0	0.0	0.0	187.5	125.0
EUCALANUS PILEATUS FEMALES	0.0	0.0	0.0	0.0	437.5	625.0
EUCALANUS PILEATUS IMMATURES	385.5	96.4	65.6	0.0	187.5	125.0
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE	0.0	0.0	0.0	0.0	0.0	62.5
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE	0.0	0.0	0.0	0.0	0.0	62.5
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

TABLE 1 CONT.'D

AUGUST 1977:

TRANSECT II:

STATION:	2N1	2N4	3D2	3D3	3N1	3N3
(cont.)						
LABIDOCERA AESTIVA FEMALE						
LABIDOCERA SCOTTI MALE	192.8	96.4	32.8	32.8	0.0	0.0
LABIDOCERA SCOTTI FEMALE	96.4	0.0	0.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	96.4	289.2	98.4	98.4	312.5	312.5
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	289.2	96.4	852.5	721.3	125.0	125.0
PONTELLOPSIS VILLOSA MALE	674.7	1156.6	295.1	131.1	312.5	500.0
PONTELLOPSIS VILLOSA FEMALE	578.3	867.5	196.7	196.7	0.0	125.0
PONTELLOPSIS IMMATURE	867.5	963.9	426.2	295.1	62.5	0.0
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	289.2	192.8	196.7	131.1	687.5	875.0
CYCLOPOIDA	192.8	96.4	1213.1	1147.5	500.0	687.5
COPILIA MIRABILIS MALE	0.0	0.0	0.0	0.0	125.0	62.5
COPILIA MIRABILIS FEMALE	0.0	0.0	459.0	295.1	437.5	625.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	96.4	96.4	65.6	98.4	0.0	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.	0.0	0.0	0.0	0.0	125.0	0.0
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	192.8	481.9	1868.9	1934.4	1375.0	1750.0
CHAETOGNATHS	5204.8	7710.8	3278.7	2360.7	4687.5	4937.5
TUNICATES						
DOLIOLIDS	3662.6	2602.4	32.8	0.0	62.5	312.5
LARVACEANS	3759.0	7710.8	7049.2	7606.6	1062.5	2000.0
SALPS	0.0	96.4	196.7	262.3	125.0	0.0
FISH	4542.2	2313.3	131.1	262.3	890.6	812.5
FISH EGGS	5783.1	3662.6	4950.8	3836.1	2687.5	3687.5
HALOBATES MICANS	289.2	192.8	295.1	131.1	500.0	500.0
PLANT STEMS	PRESENT			PRESENT		
PLASTIC						
SARGASSUM	PRESENT					
SARGASSUM FAUNA	PRESENT					PRESENT
TAR	2.1	0.0	0.6	1.5	0.2	0.3
TERRESTRIAL INSECTS	102.4	96.4	32.8	0.0	0.0	0.0
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS	PRESENT					
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	177559.	127132.	25705.	22000.	45438.	62313.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	96.4	96.4	32.8	32.8	62.5	62.5
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 4.	1/ 4.	1/ 8.	1/ 8.

TABLE 1 CONT.'D

AUGUST 1977: TRANSECT II: STATION:	2N1	2N4	3D2	3D3	3N1	3N3
TOTAL NO. PER 1.000 CUBIC METERS	177559.	127132.	25705.	22000.	45438.	62313.
TOTAL MOLLUSCA	6361.	2602.	1279.	492.	2688.	3688.
TOTAL CRUSTACEA	145928.	98313.	4721.	3377.	29641.	42500.
TOTAL DECAPOD LARVAE	38458.	34410.	426.	66.	10250.	15125.
TOTAL COPEPODA	11084.	6458.	2426.	1672.	8375.	12125.
TOTAL ADULT PONTELLID COPEPODS	1542.	2120.	525.	361.	313.	750.
TOTAL IMMATURE PONTELLID COPEPODS	1253.	1349.	1377.	1115.	500.	438.
TOTAL TUNICATES	7422.	10410.	7279.	7869.	1250.	2313.
TOTAL FISH	4542.	2313.	131.	262.	891.	813.
TOTAL FISH EGGS	5783.	3663.	4951.	3836.	2688.	3688.
TAR (GRAMS PER 1.000 CUBIC METERS)	2.10	0.00	0.56	1.51	0.19	0.25

TABLE 1 CONT.'D

FALL 1977: TRANSECT I: STATION:	1D3	1D4	2D1	2D4	3D1	3D2
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS			RARE	RARE	RARE	RARE
MEDUSAE	2635.3	1882.4	0.0	0.0	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	376.5	376.5	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	2258.8	752.9	0.0	0.0	0.0	2424.2
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE						
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA						
CRESEIS VIRGULA	0.0	0.0	0.0	113.2	0.0	0.0
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	0.0	0.0	969.7	1616.2
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	0.0	0.0	37.7	37.7	23111.1	9535.4
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	0.0	0.0	0.0	9.4	0.0	0.0
CARIDEAN SHRIMP	752.9	0.0	0.0	9.4	0.0	0.0
LUCIFER FAXONI	14682.4	14682.4	1584.9	1169.8	323.2	1131.3
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	0.0	7905.9	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	19952.9	16188.2	1735.8	1132.1	59798.0	62383.8
BRACHYURAN ZOEAS	24094.1	10164.7	188.7	56.6	808.1	1292.9

TABLE 1 CONT.'D

FALL 1977:

TRANSECT I:

STATION: (cont.)	1D3	1D4	2D1	2D4	3D1	3D2
MACRURAN LARVAE						
SHRIMP LARVAE	29741.2	17694.1	150.9	75.5	1292.9	1292.9
STOMATOPOD ALIMA LARVAE	0.0	0.0	0.0	37.7	0.0	0.0
EUPHAUSIIDS						
CUMACEA						
MYSIDACEA	376.5	0.0	0.0	0.0	0.0	0.0
OSTRACODA	0.0	0.0	0.0	0.0	161.6	484.8
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	8282.4	13929.4	188.7	452.8	323.2	161.6
CENTROPAGES FURCATUS FEMALE	29364.7	33882.4	3018.9	4000.0	646.5	484.8
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	0.0	0.0	0.0	646.5	0.0
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	0.0	0.0	75.5	75.5	161.6	323.2
TEMURA TURBINATA	1505.9	4141.2	113.2	188.7	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	0.0	646.5	0.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	1129.4	1882.4	0.0	0.0	0.0	0.0
EUCALANUS PILEATUS FEMALES	9411.8	12047.1	113.2	9.4	161.6	484.8
EUCALANUS PILEATUS IMMATURES	17694.1	22964.7	0.0	9.4	2909.1	3878.8
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	0.0	0.0	484.8	1292.9
CALANOPIA AMERICANA FEMALE	376.5	1505.9	0.0	0.0	4848.5	7757.6
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	35717.6	66258.8	452.8	113.2	0.0	0.0

TABLE 1 CONT'D

FALL 1977:

TRANSECT I:

STATION: (cont.)	1D3	1D4	2D1	2D4	3D1	3D2
LABIDOCERA AESTIVA FEMALE	39152.9	42541.2	226.4	188.7	0.0	0.0
LABIDOCERA SCOTTI MALE	16941.2	23717.6	4867.9	2726.4	0.0	161.6
LABIDOCERA SCOTTI FEMALE	38400.0	53458.8	226.4	169.8	0.0	161.6
LABIDOCERA IMMATURE	0.0	201035.3	3207.5	5471.7	0.0	969.7
PONTELLA MEADII MALE	0.0	0.0	1283.0	566.0	0.0	0.0
PONTELLA MEADII FEMALE	376.5	0.0	566.0	377.4	0.0	0.0
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	4517.6	4894.1	1396.2	905.7	0.0	0.0
PONTELLOPSIS VILLOSA MALE	752.9	1129.4	490.6	603.8	0.0	323.2
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	226.4	113.2	0.0	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	113.2	0.0	1616.2	0.0
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	44800.0	49694.1	37.7	226.4	0.0	484.8
CYCLOPOIDA	0.0	0.0	264.2	75.5	0.0	0.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS	8282.4	3388.2	0.0	0.0	0.0	0.0
ECHINODERM LARVAE	13929.4	14632.4	1434.0	1318.9	2747.5	11636.4
CHAETOGNATHS						
TUNICATES						
DOLIOLIDS	376.5	0.0	37.7	75.5	0.0	0.0
LARVACEANS						
SALPS	1564.7	1541.2	37.7	0.0	161.6	171.7
FISH	0.0	752.9	1056.6	943.4	0.0	161.6
FISH EGGS	376.5	376.5	415.1	150.9	161.6	0.0
HALOBATES MICANS						
PLANT STEMS		PRESENT				
PLASTIC	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
SARGASSUM FAUNA	29.8	46.8	43.4	28.8	22.6	13.4
TAR						
TERRESTRIAL INSECTS						
WOOD	PRESENT		PRESENT	PRESENT		PRESENT
MISCELLANEOUS DEBRIS			PRESENT	PRESENT		
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING	PRESENT					
FEATHERS				PRESENT		
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	387623.	623470.	23547.	21104.	101979.	108615.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	376.5	376.5	37.7	37.7	161.6	161.6
ALIQUOT SIZE	1/ 32.	1/ 32.	1/ 4.	1/ 4.	1/ 16.	1/ 16.

TABLE 1 CONT.'D

FALL 1977: TRANSECT I: STATION:	1D3	1D4	2D1	2D4	3D1	3D2
TOTAL NO. PER 1,000 CUBIC METERS	387823.	623470.	23547.	21104.	101979.	108615.
TOTAL MOLLUSCA	2259.	753.	0.	113.	970.	4040.
TOTAL CRUSTACEA	358023.	599717.	20302.	18726.	97939.	92606.
TOTAL DECAPOD LARVAE	73788.	51953.	2075.	1264.	61899.	64970.
TOTAL COPEPODA	268423.	533092.	16604.	16198.	12444.	16485.
TOTAL ADULT PONTELLID COPEPODS	151717.	188612.	8340.	4858.	5333.	9697.
TOTAL IMMATURE PONTELLID COPEPODS	4518.	205929.	4717.	6377.	1616.	970.
TOTAL TUNICATES	376.	0.	38.	75.	0.	0.
TOTAL FISH	1565.	1541.	38.	0.	162.	172.
TOTAL FISH EGGS	0.	753.	1057.	943.	0.	162.
TAR (GRAMS PER 1,000 CUBIC METERS)	29.84	46.32	43.42	28.79	26.63	13.39

TABLE 1 CONT.'D

FALL 1977: TRANSECT II: STATION:	1D1	1D2	1N1	1N4	2D1	2D3
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS		RARE		RARE	ABUNDANT	RARE
MEDUSAE	307.7	923.1	1066.7	1981.0	0.0	0.0
CTENOPHORES	102.6	0.0	0.0	0.0	0.0	0.0
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	307.7	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	0.0	152.4	0.0	0.0
GASTROPOD MEROPLANKTERS	0.0	205.1	914.3	4266.7	46.5	46.5
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE						
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	102.6	0.0	304.8	152.4	0.0	46.5
CRESEIS VIRGULA	0.0	0.0	0.0	1066.7	139.5	186.0
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	0.0	152.4	46.5	46.5
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	102.6	0.0	457.1	3352.4	46.5	46.5
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	0.0	0.0	19.0	9.5	0.0	0.0
CARIDEAN SHRIMP	0.0	0.0	9.5	0.0	0.0	0.0
LUCIFER FAXONI	102.6	512.8	457.1	457.1	46.5	46.5
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	307.7	102.6	7009.5	12647.6	0.0	0.0
BRACHYURAN ZOEAS	0.0	102.6	1981.0	3504.8	465.1	511.6

TABLE 1 CONT.'D

FALL 1977:

TRANSECT II:

STATION:	1D1	1D2	1N1	1N4	2D1	2D3
(cont.)						
MACRURAN LARVAE						
SHRIMP LARVAE	615.4	512.8	13714.3	25295.2	139.5	93.0
STOMATOPOD ALIMA LARVAE						
EUPHAUSIIDS						
CUMACEA						
MYSIDACEA	0.0	0.0	152.4	0.0	0.0	0.0
OSTRACODA	0.0	0.0	0.0	0.0	46.5	93.0
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	307.7	1025.6	4266.7	8838.1	0.0	46.5
CENTROPAGES FURCATUS FEMALE	1641.0	1743.6	19809.5	50133.3	0.0	93.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR						
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	0.0	0.0	304.8	609.5	0.0	0.0
TEMORA TURBINATA	0.0	102.6	761.9	1371.4	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	0.0	0.0	0.0	46.5
UNDINULA VULGARIS FEMALE	0.0	0.0	0.0	152.4	0.0	0.0
UNDINULA VULGARIS IMMATURES	0.0	0.0	304.8	0.0	790.7	1023.3
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	0.0	102.6	152.4	1676.2	0.0	0.0
EUCALANUS PILEATUS FEMALES	307.7	820.5	13866.7	24380.9	0.0	0.0
EUCALANUS PILEATUS IMMATURES	0.0	205.1	17523.8	30476.2	0.0	0.0
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	0.0	304.8	0.0	0.0
CALANOPIA AMERICANA FEMALE	0.0	0.0	304.8	1219.0	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	717.9	1846.2	3352.4	8838.1	0.0	46.5

TABLE 1 CONT.'D

FALL 1977:

TRANSECT II:

STATION:	1D1	1D2	1N1	1N4	2D1	2D3
(cont.)						
LABIDOCERA AESTIVA FEMALE	2871.8	4615.4	1981.0	8076.2	46.5	93.0
LABIDOCERA SCOTTI MALE	26564.1	65743.6	5485.7	13866.7	232.6	46.5
LABIDOCERA SCOTTI FEMALE	5641.0	21333.3	304.8	1066.7	46.5	46.5
LABIDOCERA IMMATURE	44820.5	93948.7	1828.6	4266.7	1209.3	1488.4
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE	0.0	0.0	0.0	152.4	0.0	0.0
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	615.4	1846.2	914.3	1066.7	93.0	46.5
PONTELLOPSIS VILLOSA MALE	205.1	512.8	1219.0	304.8	186.0	186.0
PONTELLOPSIS VILLOSA FEMALE	205.1	0.0	0.0	0.0	139.5	139.5
PONTELLOPSIS IMMATURE	0.0	0.0	152.4	152.4	93.0	46.5
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	0.0	0.0	0.0	304.8	93.0	372.1
CYCLOPOIDA	102.6	0.0	0.0	0.0	46.5	0.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS	0.0	102.6	0.0	0.0	0.0	0.0
ECHINODERM LARVAE	410.3	307.7	0.0	609.5	0.0	0.0
CHAETOGNATHS	2256.4	2051.3	6552.4	17523.8	7767.4	8418.6
TUNICATES						
DOLIOLIDS	0.0	0.0	0.0	0.0	232.6	93.0
LARVACEANS	410.3	0.0	0.0	304.8	232.6	139.5
SALPS						
FISH	0.0	102.6	19.0	638.1	46.5	0.0
FISH EGGS	717.9	820.5	1066.7	4266.7	1255.8	1209.3
HALOBATES MICANS	0.0	0.0	0.0	1676.2	0.0	93.0
PLANT STEMS						PRESENT
PLASTIC						
SARGASSUM			PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA			PRESENT		PRESENT	PRESENT
TAR	2.1	9.2	0.0	1.3	1.3	0.0
TERRESTRIAL INSECTS	102.6	0.0	0.0	0.0	0.0	0.0
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS			PRESENT	PRESENT		PRESENT
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	90564.	199847.	106257.	235314.	13488.	14791.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	102.6	102.6	152.4	152.4	46.5	46.5
ALIQUOT SIZE	1/ 8.	1/ 8.	1/ 16.	1/ 16.	1/ 4.	1/ 4.

TABLE 1 CONT'D

FALL 1977: TRANSECT II: STATION:	1D1	1D2	1N1	1N4	2D1	2D3
TOTAL NO. PER 1,000 CUBIC METERS	90564.	199897.	106257.	235314.	13488.	14791.
TOTAL MOLLUSCA	103.	205.	1219.	5790.	233.	326.
TOTAL CRUSTACEA	86051.	195076.	96333.	202523.	3674.	4512.
TOTAL DECAPOD LARVAE	923.	718.	22705.	41443.	605.	605.
TOTAL COPEPODA	84923.	193846.	72533.	157257.	2930.	3721.
TOTAL ADULT PONTELLID COPEPODS	37231.	94051.	12648.	33329.	651.	558.
TOTAL IMMATURE PONTELLID COPEPODS	45435.	95794.	2895.	5486.	1395.	1581.
TOTAL TUNICATES	410.	0.	0.	305.	465.	233.
TOTAL FISH	0.	103.	19.	638.	47.	0.
TOTAL FISH EGGS	718.	821.	1067.	4267.	1256.	1209.
TAR (GRAMS PER 1,000 CUBIC METERS)	2.05	9.23	0.00	1.34	1.27	0.00

TABLE 1 CONT.'D

FALL 1977: TRANSECT II: STATION:	2N1	2N4	3D1	3D3	3N1	3N3
FORAMINIFERA	164.9	0.0	117.6	39.2	0.0	145.5
SIPHONOPHORES	0.0	0.0	0.0	39.2	0.0	0.0
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS	COMMON	COMMON	COMMON		COMMON	COMMON
MEDUSAE	1484.5	1314.4	39.2	39.2	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE	164.9	329.9	0.0	0.0	0.0	0.0
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	164.9	329.9	0.0	0.0	0.0	0.0
GASTROPOD MEROPLANKTERS	989.7	2304.1	0.0	0.0	436.4	290.9
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	164.9	824.7	0.0	39.2	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	164.9	329.9	39.2	39.2	436.4	290.9
CRESEIS VIRGULA	329.9	1154.5	274.5	509.8	145.5	0.0
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	9732.0	22103.1	39.2	117.6	3490.9	1600.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	20453.6	57896.9	0.0	0.0	50618.2	21672.7
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
POSTUNID CRABS	10.3	10.3	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	0.0	0.0	0.0	0.0	872.7	2618.2
LUCIFER FAXONI	3299.0	5443.3	8039.2	7607.8	4509.1	4363.6
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	11711.3	12371.1	0.0	0.0	15272.7	29963.6
BRACHYURAN ZOEAS	12866.0	18639.2	941.2	784.3	8018.2	14254.5

TABLE 1 CONT.'D

FALL 1977:

TRANSECT II:

STATION: (cont.)	2N1	2N4	3D1	3D3	3N1	3N3
MACRURAN LARVAE	7422.7	8082.5	745.1	1019.6	3200.0	4945.5
SHRIMP LARVAE	0.0	164.9	0.0	39.2	0.0	145.5
STOMATOPOD ALIMA LARVAE	0.0	0.0	0.0	0.0	0.0	436.4
EUPHAUSIIDS						
CUMACEA	1484.5	2969.1	0.0	0.0	0.0	0.0
MYSIDACEA	494.8	989.7	0.0	0.0	145.5	0.0
OSTRACODA	164.9	0.0	0.0	0.0	0.0	0.0
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE	0.0	0.0	0.0	0.0	0.0	145.5
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	494.8	659.8	117.6	78.4	436.4	145.5
CENTROPAGES FURCATUS FEMALE	1319.6	3299.0	666.7	156.9	436.4	581.8
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	0.0	0.0	0.0	0.0	145.5
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS	0.0	0.0	0.0	0.0	0.0	145.5
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	659.8	1649.5	2000.0	902.0	290.9	581.8
TEMORA TURBINATA	0.0	0.0	0.0	0.0	0.0	290.9
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	0.0	39.2	0.0	0.0
UNDINULA VULGARIS FEMALE	164.9	0.0	0.0	0.0	0.0	0.0
UNDINULA VULGARIS IMMATURES	1154.6	1979.4	392.2	39.2	0.0	727.3
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	72.2	2969.1	39.2	0.0	0.0	0.0
EUCALANUS PILEATUS FEMALES	309.3	8742.3	235.3	235.3	0.0	1018.2
EUCALANUS PILEATUS IMMATURES	154.6	3958.8	313.7	196.1	0.0	1745.5
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	164.9	659.8	0.0	0.0	581.8	727.3
CALANOPIA AMERICANA FEMALE	4288.7	12536.1	0.0	78.4	1745.5	2036.4
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	989.7	3134.0	0.0	0.0	0.0	0.0

TABLE 1 CONT.'D

FALL 1977:

TRANSECT II:

STATION:	2N1	2N4	3D1	3D3	3N1	3N3
(cont.)						
LABIDOCERA AESTIVA FEMALE	824.7	989.7	0.0	0.0	0.0	0.0
LABIDOCERA SCOTTI MALE	51.5	1154.6	39.2	0.0	0.0	0.0
LABIDOCERA SCOTTI FEMALE	10.3	0.0	0.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	494.8	1154.6	78.4	0.0	0.0	145.5
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA MIMOCERAMI	10.3	0.0	0.0	0.0	0.0	0.0
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	329.9	0.0	39.2	78.4	0.0	145.5
PONTELLOPSIS VILLOSA MALE	2639.2	3958.8	39.2	78.4	145.5	0.0
PONTELLOPSIS VILLOSA FEMALE	989.7	1484.5	78.4	39.2	145.5	145.5
PONTELLOPSIS IMMATURE	0.0	494.8	313.7	78.4	145.5	145.5
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	494.8	989.7	666.7	39.2	0.0	290.9
CYCLOPOIDA	989.7	1649.5	313.7	156.9	145.5	0.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	164.9	0.0	0.0	0.0	0.0	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	164.9	0.0	0.0	0.0	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA	0.0	164.9	0.0	0.0	0.0	0.0
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	53278.3	28371.1	117.6	0.0	0.0	0.0
CHAETOGNATHS	27051.5	19134.0	4235.3	3254.9	11490.9	18763.6
TUNICATES						
DOLIOLIDS	824.7	494.8	117.6	39.2	581.8	872.7
LARVACEANS	659.8	494.8	784.3	588.2	0.0	2327.3
SALPS						
FISH	3463.9	3639.2	39.2	0.0	472.7	54.5
FISH EGGS	1319.6	3793.8	117.6	235.3	145.5	145.5
HALOBATES MICANS	164.9	164.9	0.0	39.2	0.0	145.5
PLANT STEMS						
PLASTIC						
SARGASSUM	PRESENT	PRESENT		PRESENT		PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT			PRESENT	
TAR	7.4	0.8	1.45	0.74	0.0	0.0
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT		PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS			PRESENT	PRESENT	PRESENT	
SHELL FRAGMENTS						
STRING					PRESENT	
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	174803.	244143.	20980.	15627.	103909.	112199.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	164.9	164.9	39.2	39.2	145.5	145.5
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 4.	1/ 4.	1/ 16.	1/ 16.

TABLE 1 CONT'D

FALL 1977: TRANSECT II: STATION:	2N1	2N4	3D1	3D3	3N1	3N3
TOTAL NO. PER 1,000 CUBIC METERS	174803.	244143.	20980.	16627.	103909.	112199.
TOTAL MOLLUSCA	11546.	27546.	353.	706.	4509.	2182.
TOTAL CRUSTACEA	73526.	156381.	14745.	11490.	86564.	87563.
TOTAL DECAPOD LARVAE	32000.	39093.	1686.	1904.	26491.	49164.
TOTAL COPEPODA	15619.	49814.	5020.	2039.	3927.	9164.
TOTAL ADULT PONTELLID COPEPODS	9969.	23918.	157.	196.	2618.	2909.
TOTAL IMMATURE PONTELLID COPEPODS	825.	1649.	431.	157.	145.	436.
TOTAL TUNICATES	1485.	990.	902.	627.	582.	3200.
TOTAL FISH	3464.	3639.	39.	0.	473.	55.
TOTAL FISH EGGS	1320.	3794.	118.	235.	145.	145.
TAR (GRAMS PER 1,000 CUBIC METERS)	7.42	0.82	1.45	0.74	0.00	0.00

TABLE 1 CONT'D

FALL 1977: TRANSECT III: STATION:	1D1	1D4	2D1	2D3	3D1	3D3
FORAMINIFERA	0.0	0.0	297.9	85.1	0.0	0.0
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS	RARE			COMMON	RARE	RARE
MEDUSAE	333.3	0.0	0.0	42.6	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	127.7	0.0	0.0	0.0
GASTROPOD MEROPLANKTERS	0.0	0.0	0.0	0.0	51.9	0.0
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	0.0	297.9	170.2	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS	0.0	0.0	0.0	42.6	0.0	0.0
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS	0.0	0.0	42.6	0.0	0.0	0.0
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	85.1	0.0	0.0	0.0
CRESEIS VIRGULA	0.0	0.0	893.6	425.5	0.0	103.9
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	170.2	127.7	0.0	0.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	166.7	125.0	42.6	212.8	0.0	0.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS	0.0	0.0	0.0	42.6	0.0	0.0
PORTUNID CRABS						
CARIDEAN SHRIMP	0.0	0.0	42.6	0.0	0.0	0.0
LUCIFER FAXONI	2916.7	625.0	6893.6	9872.3	51.9	0.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	83.3	166.7	85.1	170.2	51.9	0.0
BRACHYURAN ZOEAS	125.0	125.0	2297.9	2170.2	259.7	0.0

TABLE 1 CONT.'D

FALL 1977:

TRANSECT III:

STATION:	1D1	1D4	2D1	2D3	3D1	3D3
(cont.)						
MACRURAN LARVAE	166.7	41.7	3489.4	2510.6	0.0	0.0
SHRIMP LARVAE	0.0	0.0	0.0	85.1	0.0	0.0
STOMATOPOD ALIMA LARVAE	83.3	0.0	0.0	0.0	0.0	0.0
EUPHAUSIIDS	0.0	0.0	468.1	297.9	0.0	0.0
CUMACEA						
MYSIDACEA	0.0	0.0	42.6	0.0	0.0	0.0
OSTRACODA						
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	208.3	250.0	638.3	42.6	0.0	0.0
CENTROPAGES FURCATUS FEMALE	1416.7	833.3	723.4	255.3	51.9	0.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	0.0	85.1	0.0	0.0	0.0
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	0.0	0.0	255.3	170.2	51.9	0.0
TEMORA TURBINATA	0.0	0.0	170.2	0.0	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	425.5	0.0	0.0	0.0
UNDINULA VULGARIS FEMALE	0.0	0.0	0.0	212.8	103.9	0.0
UNDINULA VULGARIS IMMATURES	0.0	0.0	851.1	425.5	259.7	0.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	0.0	0.0	468.1	21.3	0.0	0.0
EUCALANUS PILEATUS FEMALES	166.7	41.7	1446.8	585.1	0.0	0.0
EUCALANUS PILEATUS IMMATURES	0.0	0.0	2170.2	138.3	0.0	0.0
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	383.0	42.6	0.0	0.0
CALANOPIA AMERICANA FEMALE	0.0	0.0	1021.3	510.6	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	291.7	708.3	42.6	0.0	0.0	0.0

FALL 1977: TABLE 1 CONT'D

TRANSECT III:

STATION: (cont.)	1D1	1D4	2D1	2D3	3D1	3D3
LABIDOCERA AESTIVA FEMALE	375.0	458.3	0.0	0.0	0.0	0.0
LABIDOCERA SCOTTI MALE	666.7	875.0	42.6	85.1	0.0	0.0
LABIDOCERA SCOTTI FEMALE	1833.3	1375.0	85.1	0.0	0.0	0.0
LABIDOCERA IMMATURE	14666.7	16958.3	766.0	170.2	0.0	0.0
PONTELLA MEADII MALE	0.0	41.7	42.6	0.0	0.0	0.0
PONTELLA MEADII FEMALE	0.0	166.7	0.0	0.0	0.0	0.0
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	0.0	83.3	297.9	297.9	51.9	0.0
PONTELLOPSIS VILLOSA MALE	41.7	125.0	1829.8	2510.6	51.9	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	83.3	978.7	1914.9	0.0	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	1574.5	1234.0	51.9	0.0
PONTELLINA PLUMATA MALE	0.0	0.0	127.7	85.1	0.0	0.0
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	1750.0	1666.7	42.6	212.8	103.9	0.0
CYCLOPOIDA	0.0	0.0	85.1	212.8	259.7	0.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	166.7	0.0	0.0	0.0	0.0	0.0
CHAETOGNATHS	875.0	291.7	7489.4	8766.0	155.8	0.0
TUNICATES						
DOLIOLIDS	0.0	0.0	212.8	85.1	0.0	0.0
LARVACEANS	41.7	41.7	425.5	255.3	259.7	0.0
SALPS						
FISH	0.0	0.0	638.3	787.2	0.0	0.0
FISH EGGS	125.0	208.3	127.7	127.7	363.6	103.9
HALOBATES MICANS	41.7	41.7	468.1	553.2	51.9	103.9
PLANT STEMS						
PLASTIC	PRESENT					
SARGASSUM	PRESENT	PRESENT				
SARGASSUM FAUNA	PRESENT	PRESENT				
TAR	1.9	52.0	0.0	0.0	0.0	0.0
TERRESTRIAL INSECTS	41.7	41.7	0.0	42.6	0.0	155.9
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT		PRESENT	ABUNDANT	ABUNDANT
COPEPOD EXOSKELETONS				COMMON	COMMON	
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	26583.	25375.	39191.	36000.	2234.	468.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	41.7	41.7	42.6	42.6	51.9	51.9
ALIQUOT SIZE	1/ 4.	1/ 4.	1/ 4.	1/ 4.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

FALL 1977: TRANSECT III: STATION:	1D1	1D4	2D1	2D3	3D1	3D3
TOTAL NO. PER 1.000 CUBIC METERS	26583.	25375.	39191.	36000.	2234.	468.
TOTAL MOLLUSCA	0.	0.	1617.	766.	52.	104.
TOTAL CRUSTACEA	24958.	24750.	27830.	24277.	1091.	0.
TOTAL DECAPOD LARVAE	375.	333.	5872.	4851.	312.	0.
TOTAL COPEPODA	21417.	23667.	14468.	8915.	727.	0.
TOTAL ADULT PONTELLID COPEPODS	3208.	3833.	4553.	5149.	52.	0.
TOTAL IMMATURE PONTELLID COPEPODS	14667.	17042.	2638.	1702.	104.	0.
TOTAL TUNICATES	42.	42.	638.	340.	260.	0.
TOTAL FISH	0.	0.	638.	787.	0.	0.
TOTAL FISH EGGS	125.	208.	128.	128.	364.	104.
TAR (GRAMS PER 1.000 CUBIC METERS)	1.92	52.00	0.00	0.00	0.00	0.00

TABLE 1 CONT.'D

FALL 1977: TRANSECT IV: STATION:	102	103	201	204	301	303
FORAMINIFERA	0.0	0.0	0.0	0.0	127.7	127.7
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS		PRESENT		COMMON	ABUNDANT	COMMON
MEDUSAE	7230.8	12461.5	0.0	36.7	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE	0.0	0.0	0.0	0.0	42.6	85.1
TYPHLOSCOLECIDAE						
OTHER	461.5	0.0	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	0.0	153.8	73.4	0.0	85.1	127.7
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE						
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	110.1	0.0	0.0	0.0
CRESEIS VIRGULA	1230.8	461.5	0.0	0.0	766.0	212.8
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	307.7	0.0	0.0	0.0	42.6	255.3
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.	0.0	0.0	36.7	0.0	0.0	0.0
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA	153.8	153.8	0.0	0.0	0.0	0.0
HYPERIIDAE	2923.1	4000.0	36.7	0.0	85.1	42.6
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS	0.0	153.8	0.0	0.0	0.0	0.0
PORTUNID CRABS	38.5	0.0	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	0.0	0.0	0.0	0.0	42.6	0.0
LUCIFER FAXONI	38461.5	45076.9	256.9	146.8	1148.9	723.4
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	1076.9	1230.8	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	20615.4	17846.2	36.7	0.0	0.0	0.0
BRACHYURAN ZOEAS	24923.1	28000.0	0.0	0.0	42.6	0.0

TABLE 1 CONT'D

FALL 1977:

TRANSECT IV:

STATION: (cont.)	1D2	1D3	2D1	2D4	3D1	3D3
MACRURAN LARVAE						
SHRIMP LARVAE	28923.1	30923.1	0.0	0.0	42.6	0.0
STOMATOPOD ALIMA LARVAE	0.0	307.7	0.0	0.0	0.0	0.0
EUPHAUSIIDS	0.0	0.0	36.7	0.0	127.7	0.0
CUMACEA	153.8	0.0	0.0	0.0	0.0	0.0
MYSIDACEA	153.8	461.5	0.0	0.0	0.0	0.0
OSTRACODA	0.0	0.0	0.0	0.0	0.0	85.1
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	923.1	1384.6	0.0	0.0	42.6	0.0
CENTROPAGES FURCATUS FEMALE	9538.5	8153.8	36.7	0.0	170.2	0.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	0.0	0.0	0.0	85.1	0.0
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	153.8	0.0	0.0	0.0	127.7	212.8
TEMORA TURBINATA	769.2	461.5	0.0	0.0	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	36.7	127.7	85.1
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	769.2	1076.9	0.0	0.0	0.0	0.0
EUCALANUS PILEATUS FEMALES	13692.3	16769.2	0.0	0.0	85.1	127.7
EUCALANUS PILEATUS IMMATURES	461.5	1076.9	0.0	0.0	127.7	42.6
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	461.5	615.4	0.0	0.0	0.0	42.6
CALANOPIA AMERICANA FEMALE	1846.2	1538.5	0.0	0.0	42.6	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	25230.8	22000.0	0.0	0.0	0.0	0.0

TABLE 1 CONT.'D

FALL 1977:

TRANSECT IV:

STATION:	1D2	1D3	2D1	2D4	3D1	3D3
(cont.)						
LABIDOCERA AESTIVA FEMALE	8461.5	9538.5	0.0	0.0	85.1	42.6
LABIDOCERA SCOTTI MALE	17692.3	21384.6	0.0	36.7	0.0	42.6
LABIDOCERA SCOTTI FEMALE	5230.8	8461.5	0.0	36.7	0.0	0.0
LABIDOCERA IMMATURE	9692.3	14461.5	146.8	110.1	468.1	170.2
PONTELLA MEADII MALE	0.0	307.7	0.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE	307.7	461.5	0.0	0.0	42.6	0.0
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE	0.0	0.0	0.0	36.7	0.0	0.0
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	153.8	0.0	183.5	110.1	297.9	42.6
PONTELLOPSIS VILLOSA MALE	6461.5	6153.8	73.4	0.0	212.8	212.8
PONTELLOPSIS VILLOSA FEMALE	307.7	461.5	73.4	0.0	127.7	85.1
PONTELLOPSIS IMMATURE	307.7	153.8	110.1	0.0	127.7	85.1
PONTELLINA PLUMATA MALE	0.0	0.0	0.0	0.0	42.6	0.0
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	7538.5	8923.1	0.0	36.7	0.0	42.6
CYCLOPOIDA	153.8	153.8	0.0	0.0	1021.3	638.3
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA	0.0	0.0	0.0	0.0	0.0	42.6
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA	0.0	0.0	36.7	0.0	42.6	0.0
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	24307.7	18923.1	0.0	0.0	680.9	212.8
CHAETOGNATHS	7846.2	10307.7	550.5	73.4	2170.2	1531.9
TUNICATES						
DOLIOLIDS	0.0	0.0	0.0	0.0	690.9	42.6
LARVACEANS	0.0	615.4	36.7	0.0	510.6	553.2
SALPS						
FISH	1750.0	2086.5	45.9	110.1	35.1	42.6
FISH EGGS	2307.7	2461.5	256.9	146.8	808.5	297.9
HALOBATES MICANS	307.7	461.5	110.1	146.8	42.6	42.6
PLANT STEMS	PRESENT	PRESENT	PRESENT			
PLASTIC		PRESENT	PRESENT			
SARGASSUM		PRESENT	PRESENT	PRESENT		
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT		
TAR	7.3	0.3	0.0	0.0	0.0	1.5
TERRESTRIAL INSECTS	307.7	0.0	36.7	0.0	85.1	212.8
WOOD						RARE
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS			RARE			
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	273634.	299624.	2284.	1064.	10894.	6511.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	153.8	153.8	36.7	36.7	42.6	42.6
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 4.	1/ 4.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

FALL 1977: TRANSECT IV: STATION:	1D2	1D3	2D1	2D4	3D1	3D3
TOTAL NO. PER 1,000 CUBIC METERS	273634.	299624.	2284.	1064.	10894.	6511.
TOTAL MOLLUSCA	1538.	615.	220.	0.	894.	596.
TOTAL CRUSTACEA	227423.	251538.	991.	550.	3702.	2085.
TOTAL DECAPOD LARVAE	75538.	78000.	37.	0.	85.	0.
TOTAL COPEPODA	110000.	123384.	624.	404.	2213.	1234.
TOTAL ADULT PONTELLID COPEPODS	56000.	70923.	147.	110.	553.	426.
TOTAL IMMATURE PONTELLID COPEPODS	10154.	14615.	440.	220.	894.	298.
TOTAL TUNICATES	0.	615.	37.	0.	1191.	596.
TOTAL FISH	1750.	2087.	46.	110.	85.	43.
TOTAL FISH EGGS	2308.	2462.	257.	147.	809.	298.
TAR (GRAMS PER 1,000 CUBIC METERS)	7.26	0.31	0.00	0.00	0.00	1.52

TABLE 1 CONT.'D

NOVEMBER 1977: TRANSECT II: STATION:	1D2	1D4	1N1	1N3	2D2	2D
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS	RARE		RARE	RARE	RARE	COMMC
MEDUSAE	0.0	598.1	252.0	755.9	0.0	0.
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	598.1	0.0	0.0	0.0	0.
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	503.9	0.0	0.0	35.
GASTROPOD MEROPLANKTERS	0.0	0.0	0.0	755.9	2265.5	3079.
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	0.0	0.0	0.0	35.4	35.
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA	0.0	0.0	0.0	0.0	35.4	0.
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	299.1	299.1	0.0	0.0	0.0	0.
CRESEIS VIRGULA	0.0	0.0	503.9	1007.9	0.0	35.
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	0.0	0.0	0.0	106.
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	0.0	0.0	3023.6	4031.5	0.0	105.
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP						
LUCIFER FAXONI	5981.3	6579.4	3275.6	4031.5	35.4	35.
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	0.0	0.0	1007.9	1007.9	0.0	0.
BRACHYURAN ZOEAS	0.0	0.0	2519.7	1763.8	35.4	35.

TABLE 1 CONT.'D

NOVEMBER 1977:

TRANSECT II:

STATION: (cont.)	1D2	1D4	1N1	1N3	2D2	2D3
MACRURAN LARVAE						
SHRIMP LARVAE	14355.1	19439.3	33007.9	32252.0	778.8	212.
STOMATOPOD ALIMA LARVAE						
EUPHAUSIIDS	0.0	0.0	0.0	503.9	0.0	0.
CUMACEA						
MYSIDACEA						
OSTRACODA						
CLADOCERA	299.1	0.0	503.9	0.0	0.0	0.
COPEPODA	0.0	299.1	0.0	0.0	0.0	0.
CALANOIDS						
CANDACIA CURTA MALE	0.0	0.0	0.0	0.0	0.0	35.
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	141.6	35.
CENTROPAGES FURCATUS MALE	4186.9	8074.8	1259.8	1259.8	0.0	0.
CENTROPAGES FURCATUS FEMALE	20934.6	15252.3	8063.0	11590.5	106.2	35.
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR						
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	9869.2	7177.6	8566.9	9070.9	70.8	141.
TEMORA TURBINATA	53532.7	48149.5	51401.6	57196.8	0.0	0.
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	0.0	0.0	0.0	106.
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	299.1	0.0	503.9	0.0	1097.3	1097.
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	18243.0	18841.1	9826.8	10834.6	0.0	0.
EUCALANUS PILEATUS FEMALES	49345.8	48149.5	48377.9	65007.9	106.2	106.
EUCALANUS PILEATUS IMMATURES	70579.4	44859.8	27716.5	30992.1	35.4	141.
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS	0.0	598.1	0.0	252.0	0.0	0.
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	299.1	1495.3	14110.2	11590.5	0.0	0.
CALANOPIA AMERICANA FEMALE	1196.3	3887.9	37039.4	47622.0	35.4	0.
LABIDOCERA ACUTIFRONS MALE	0.0	0.0	0.0	0.0	35.4	0.
LABIDOCERA ACUTIFRONS FEMALE	0.0	0.0	0.0	0.0	70.8	0.
LABIDOCERA AESTIVA MALE	7177.6	8672.9	0.0	503.9	35.4	70.

TABLE 1 CONT.'D

NOVEMBER 1977:

TRANSECT II:

STATION: (cont.)	1D2	1D4	1N1	1N3	2D2	2D3
LABIDOCERA AESTIVA FEMALE	6579.4	5383.2	503.9	252.0	35.4	106.2
LABIDOCERA SCOTTI MALE	40672.9	55327.1	10582.7	14866.1	389.4	424.8
LABIDOCERA SCOTTI FEMALE	46953.3	55028.0	755.9	1259.8	141.6	35.4
LABIDOCERA IMMATURE	10168.2	8373.8	6047.2	3779.5	495.6	460.2
PONTELLA MEADII MALE	0.0	0.0	252.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE	0.0	0.0	252.0	0.0	0.0	35.4
PONTELLA MIMOCERAMI	598.1	0.0	252.0	0.0	0.0	0.0
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	299.1	0.0	755.9	755.9	247.8	35.4
PONTELLOPSIS VILLOSA MALE	5084.1	4785.0	7811.0	10834.6	1026.5	778.8
PONTELLOPSIS VILLOSA FEMALE	897.2	2093.5	3527.6	6803.1	672.6	283.2
PONTELLOPSIS IMMATURE	598.1	0.0	1763.8	2771.7	389.4	0.0
PONTELLINA PLUMATA MALE	0.0	0.0	0.0	0.0	35.4	35.4
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	2691.6	1196.3	0.0	755.9	0.0	0.0
CYCLOPOIDA	0.0	598.1	252.0	0.0	1132.7	708.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA	0.0	0.0	503.9	0.0	0.0	0.0
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	0.0	0.0	0.0	0.0	849.6	672.6
CHAETOGNATHS	10168.2	12261.7	13606.3	17889.8	2053.1	2548.7
TUNICATES						
DOLIOLIDS	0.0	0.0	0.0	0.0	424.8	247.8
LARVACEANS	15252.3	19439.3	14110.2	18897.6	2796.5	3185.8
SALPS						
FISH	0.0	0.0	252.0	0.0	265.5	327.4
FISH EGGS	598.1	0.0	252.0	0.0	389.4	495.6
HALOBATES MICANS						
PLANT STEMS						
PLASTIC						
SARGASSUM					PRESENT	PRESENT
SARGASSUM FAUNA					PRESENT	PRESENT
TAR	9.9	0.0	4.8	0.0	12.9	100.0
TERRESTRIAL INSECTS	0.0	0.0	1007.9	755.9	53.1	132.7
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS		PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
SHELL FRAGMENTS						
STRING						
FEATHERS	PRESENT	PRESENT				
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	397158.	397457.	313952.	371653.	16319.	15965.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	299.1	299.1	252.0	252.0	35.4	35.4
ALIQUOT SIZE	1/ 32.	1/ 32.	1/ 32.	1/ 32.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

NOVEMBER 1977: TRANSECT II: STATION:	1D2	1D4	1N1	1N3	2D2	2D:
TOTAL NO. PER 1,000 CUBIC METERS	397158.	397457.	313952.	371653.	16319.	15965.
TOTAL MOLLUSCA	299.	299.	1008.	1764.	2336.	3292.
TOTAL CRUSTACEA	370841.	363663.	282708.	331590.	6018.	4354.
TOTAL DECAPOD LARVAE	14355.	19439.	36535.	35024.	814.	248.
TOTAL COPEPODA	350205.	337644.	239369.	287999.	5168.	3965.
TOTAL ADULT PONTELLID COPEPODS	109458.	137271.	75087.	93984.	2478.	1770.
TOTAL IMMATURE PONTELLID COPEPODS	11065.	8374.	8567.	7307.	1133.	496.
TOTAL TUNICATES	15252.	19439.	14110.	18898.	3221.	3434.
TOTAL FISH	0.	0.	252.	0.	265.	327.
TOTAL FISH EGGS	598.	0.	252.	0.	389.	496.
TAR (GRAMS PER 1,000 CUBIC METERS)	9.87	0.00	4.81	0.00	12.89	99.[illegible]

TABLE 1 CONT.'D

NOVEMBER 1977: TRANSECT II: STATION:	2N2	2N3	3D1	3D2	3N1	3N
FORAMINIFERA	266.7	0.0	0.0	0.0	298.1	795.
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS	RARE	RARE	ABUNDANT	ABUNDANT	COMMON	COMMO
MEDUSAE						
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	1333.3	0.0	0.0	0.0	298.1	99.
GASTROPOD MEROPLANKTERS	5600.0	4800.0	150.9	264.2	397.5	99.
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	266.7	0.0	301.9	943.4	397.5	0.
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA	0.0	0.0	75.5	113.2	99.4	0.
CAVOLINIA LONGIROSTRIS	0.0	0.0	0.0	0.0	198.8	0.
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	0.0	0.0	1192.5	0.
CRESEIS VIRGULA	7200.0	2933.3	528.3	2679.2	894.4	894.
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA	0.0	0.0	0.0	0.0	0.0	99.
LIMACINA TROCHIFORMIS	6933.3	1866.7	37.7	452.8	993.8	1888.
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	144799.9	105866.6	490.6	566.0	22757.8	34683.
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	0.0	0.0	0.0	0.0	99.4	99.
CARIDEAN SHRIMP						
LUCIFER FAXONI	5866.7	1333.3	2566.0	2528.3	0.0	1490.
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	0.0	266.7	754.7	264.2	1093.2	1291.
BRACHYURAN ZOEAS	8000.0	6133.3	75.5	0.0	0.0	1291.

NOVEMBER 1977: TABLE 1 CONT'D

TRANSECT II:

STATION: (cont.)	2N2	2N3	3D1	3D2	3N1	3N2
MACRURAN LARVAE						
SHRIMP LARVAE	533.3	1066.7	452.8	226.4	596.3	496.
STOMATOPOD ALIMA LARVAE	0.0	0.0	9.4	9.4	0.0	0.
EUPHAUSIIDS	533.3	266.7	0.0	113.2	0.0	99.
CUMACEA						
MYSIDACEA						
OSTRACODA	266.7	800.0	0.0	264.2	0.0	298.
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE	0.0	0.0	339.6	0.0	0.0	0.
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	113.2	0.0	0.0	0.
CENTROPAGES FURCATUS MALE	0.0	0.0	0.0	75.5	0.0	198.
CENTROPAGES FURCATUS FEMALE	266.7	533.3	0.0	113.2	298.1	99.
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE	266.7	0.0	0.0	0.0	0.0	0.
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	266.7	0.0	0.0	0.0	99.
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	1066.7	266.7	226.4	301.9	298.1	695.
TEMORA TURBINATA	266.7	0.0	0.0	452.8	596.3	298.
PARACANDACIA BISPINOSA MALE	0.0	0.0	0.0	301.9	0.0	0.
PARACANDACIA BISPINOSA FEMALE	0.0	0.0	37.7	301.9	0.0	0.
UNDINULA VULGARIS MALE	800.0	1866.7	37.7	0.0	0.0	0.
UNDINULA VULGARIS FEMALE	0.0	0.0	0.0	0.0	0.0	198.
UNDINULA VULGARIS IMMATURES	3866.7	2666.7	226.4	943.4	198.8	397.
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	0.0	266.7	0.0	0.0	0.0	0.
EUCALANUS PILEATUS FEMALES	533.3	2133.3	37.7	0.0	198.8	0.
EUCALANUS PILEATUS IMMATURES	1600.0	800.0	0.0	0.0	198.8	397.
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE	0.0	0.0	0.0	75.5	0.0	0.
PONTELLIDS	0.0	0.0	113.2	943.4	0.0	0.
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	2133.3	1333.3	0.0	113.2	198.8	99.
CALANOPIA AMERICANA FEMALE	4000.0	1600.0	0.0	188.7	0.0	99.
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

NOVEMBER 1977:

TRANSECT II:

TABLE 1 CONT'D

STATION: (cont.)	2N2	2N3	3D1	3D2	3N1	3N2
LABIDOCERA AESTIVA FEMALE	266.7	1066.7	0.0	0.0	0.0	0.0
LABIDOCERA SCOTTI MALE	1066.7	533.3	0.0	0.0	99.4	0.0
LABIDOCERA SCOTTI FEMALE	0.0	800.0	0.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	1333.3	1333.3	188.7	377.4	99.4	99.4
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	0.0	0.0	0.0	37.7	0.0	0.0
PONTELLOPSIS VILLOSA MALE	4533.3	266.7	113.2	0.0	198.8	99.4
PONTELLOPSIS VILLOSA FEMALE	2933.3	1066.7	37.7	0.0	99.4	198.8
PONTELLOPSIS IMMATURE	533.3	266.7	0.0	150.9	298.1	695.7
PONTELLINA PLUMATA MALE	0.0	0.0	5660.4	4754.7	198.8	298.1
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE	0.0	0.0	0.0	0.0	0.0	99.4
IMMATURE & UNIDENTIFIED CALANOID	800.0	533.3	754.7	2867.9	0.0	894.4
CYCLOPOIDA	1066.7	1333.3	1358.5	1056.6	596.3	496.9
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	0.0	2933.3	452.8	3169.8	198.8	0.0
CHAETOGNATHS	8000.0	7466.7	1962.3	2452.8	8745.3	11130.4
TUNICATES						
DOLIOLIDS	266.7	1333.3	981.1	1018.9	397.5	993.8
LARVACEANS	16000.0	14666.7	1320.8	2415.1	1888.2	3577.6
SALPS						
FISH	800.0	816.7	188.7	84.9	99.4	503.1
FISH EGGS	533.3	0.0	0.0	37.7	99.4	99.4
HALOBATES MICANS	266.7	0.0	0.0	0.0	0.0	0.0
PLANT STEMS						
PLASTIC						
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
TAR	0.4	4.1	4.5	2.8	0.0	1.2
TERRESTRIAL INSECTS	541.7	266.7	47.2	150.9	304.3	12.4
WOOD						
MISCELLANEOUS DEBRIS			PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS			PRESENT			PRESENT
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	237340.	171749.	19641.	30811.	44627.	65410.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	266.7	266.7	37.7	37.7	99.4	99.4
ALIQUOT SIZE	1/ 32.	1/ 32.	1/ 4.	1/ 4.	1/ 16.	1/ 16.

TABLE 1 CON'T.'D

NOVEMBER 1977: TRANSECT II: STATION:	2N2	2N3	3D1	3D2	3N1	3N2
TOTAL NO. PER 1,000 CUBIC METERS	237340.	171749.	19641.	30811.	44627.	65410.
TOTAL MOLLUSCA	21333.	9600.	1094.	4453.	4472.	3081.
TOTAL CRUSTACEA	188266.	133333.	12236.	15972.	27528.	44720.
TOTAL DECAPOD LARVAE	8533.	7467.	1283.	491.	1639.	3081.
TOTAL COPEPODA	28267.	17600.	7887.	12000.	2981.	4969.
TOTAL ADULT PONTELLID COPEPODS	14933.	6667.	5925.	6000.	795.	795.
TOTAL IMMATURE PONTELLID COPEPODS	1867.	1600.	189.	566.	398.	894.
TOTAL TUNICATES	16267.	16000.	2302.	3434.	2286.	4571.
TOTAL FISH	800.	817.	189.	85.	99.	503.
TOTAL FISH EGGS	533.	0.	0.	38.	99.	99.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.45	4.11	4.48	2.81	0.00	1.21

TABLE 1 CONT.'D

DECEMBER 1977: TRANSECT II: STATION:	1D3	1D4	1N3	1N4	2D3	2D4
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA	22.5	67.4	0.0	0.0	0.0	0.0
PORPITA						
VELLELA	0.0	0.0	0.0	0.0	64.5	0.0
SIPHONOPHORE PARTS		RARE	RARE	RARE	RARE	RARE
MEDUSAE	1618.0	898.9	3153.3	1985.4	129.0	129.0
CTENOPHORES	719.1	2516.9	0.0	0.0	0.0	0.0
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	179.8	0.0	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	179.8	179.8	116.8	116.8	64.5	64.5
GASTROPOD MEROPLANKTERS	0.0	179.8	116.8	467.2	64.5	0.0
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE						
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	179.8	0.0	116.8	0.0	64.5	258.1
CRESEIS VIRGULA	179.8	179.8	0.0	0.0	129.0	258.1
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	539.3	350.4	817.5	0.0	0.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERAGLIS SPP.						
GYMNOSOMES						
OTHER	0.0	179.8	0.0	0.0	129.0	64.5
CRUSTACEA						
AMPHIPODA	0.0	0.0	116.8	116.8	0.0	0.0
HYPERIIDAE	6651.7	16719.1	13313.9	64700.7	709.7	258.1
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP	0.0	0.0	350.4	116.8	0.0	0.0
LUCIFER FAXONI	4314.6	2696.6	1051.1	1401.5	516.1	643.2
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	899.9	898.9	0.0	233.6	0.0	0.0
BRACHYURAN ZOEAS	179.8	0.0	467.2	233.6	129.0	129.0

DECEMBER 1977:

TRANSECT II:

TABLE 1 CONT.'D

STATION: (cont.)	1D3	1D4	1N3	1N4	2D3	2D4
MACRURAN LARVAE						
SHRIMP LARVAE	0.0	539.3	467.2	1284.7	0.0	0.0
STOMATOPOD ALIMA LARVAE	0.0	0.0	0.0	0.0	0.0	64.5
EUPHAUSIIDS						
CUMACEA	0.0	0.0	467.2	1051.1	0.0	0.0
MYSIDACEA	359.6	898.9	116.8	700.7	0.0	64.5
OSTRACODA	4494.4	7550.6	1167.9	2219.0	1096.8	1032.3
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	1258.4	2516.9	7474.4	15766.4	64.5	645.2
CENTROPAGES FURCATUS FEMALE	5573.0	4134.8	8992.7	14598.5	2903.2	2129.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR						
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	179.8	1438.2	467.2	1051.1	580.6	1161.3
TEMORA TURBINATA	25523.1	67235.9	8408.8	34802.9	3612.9	11741.9
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	0.0	0.0	129.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	2157.3	1258.4	116.8	29.2	322.6	387.1
EUCALANUS PILEATUS FEMALES	6112.4	4674.2	591.2	722.6	2000.0	3032.3
EUCALANUS PILEATUS IMMATURES	10786.5	14561.8	1636.1	2386.9	1161.3	1906.5
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE	2337.1	10427.0	4671.5	11211.7	967.7	1032.3
ANOMALOCERA ORNATA FEMALE	1258.4	8809.0	3386.9	5459.1	387.1	516.1
ANOMALOCERA ORNATA IMMATURE	0.0	2516.9	233.6	583.9	64.5	0.0
CALANOPIA AMERICANA MALE	0.0	359.6	233.6	1167.9	0.0	0.0
CALANOPIA AMERICANA FEMALE	179.8	1078.7	1518.2	2802.9	64.5	129.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	1438.2	2337.1	1368.6	2919.7	64.5	0.0

TABLE 1 CONT.'D

DECEMBER 1977:

TRANSECT II:

STATION:	1D3	1D4	1N3	1N4	2D3	2D4
(cont.)						
LABIDOCERA AESTIVA FEMALE	3236.0	7910.1	1401.5	1868.6	0.0	0.0
LABIDOCERA SCOTTI MALE	4674.2	5752.8	2919.7	5956.2	258.1	322.6
LABIDOCERA SCOTTI FEMALE	2876.4	4674.2	1751.8	3153.3	451.6	774.2
LABIDOCERA IMMATURE	2696.6	5213.5	350.4	1518.2	645.2	645.2
PONTELLA MEADII MALE	0.0	0.0	0.0	0.0	0.0	64.5
PONTELLA MEADII FEMALE	0.0	0.0	0.0	233.6	0.0	0.0
PONTELLA MINOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE						
PONTELLOPSIS VILLOSA MALE	1977.5	539.3	0.0	116.8	258.1	258.1
PONTELLOPSIS VILLOSA FEMALE	179.8	719.1	0.0	0.0	64.5	129.0
PONTELLOPSIS IMMATURE	1258.4	3236.0	0.0	116.8	0.0	193.5
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	1797.8	1977.5	1284.7	1167.9	193.5	516.1
CYCLOPOIDA	359.6	1078.7	583.9	467.2	387.1	387.1
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	179.8	539.3	467.2	233.6	0.0	64.5
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	0.0	359.6	0.0	233.6	774.2	1612.9
CHAETOGNATHS	25168.5	12404.5	7124.1	11678.8	24838.7	23677.4
TUNICATES						
DOLIOLIDS	0.0	1078.7	0.0	0.0	6838.7	7032.3
LARVACEANS	719.1	719.1	350.4	116.8	4451.6	3419.4
SALPS						
FISH	179.8	179.8	0.0	0.0	129.0	129.0
FISH EGGS	179.8	179.8	350.4	350.4	1419.4	6903.2
HALOBATES MICANS	0.0	0.0	0.0	0.0	64.5	0.0
PLANT STEMS						
PLASTIC						
SARGASSUM	PRESENT	PRESENT		PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT		PRESENT	PRESENT	PRESENT
TAR	6.3	6.8	0.9	1.1	0.0	4.2
TERRESTRIAL INSECTS	179.8	0.0	0.0	0.0	64.5	64.5
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	122449.	201954.	77606.	196189.	56129.	71871.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	179.8	179.8	116.8	116.8	64.5	64.5
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16.	1/ 8.	1/ 8.

TABLE 1 CONT.'D

DECEMBER 1977: TRANSECT II: STATION:	1D3	1D4	1N3	1N4	2D3	2D4
TOTAL NO. PER 1.000 CUBIC METERS	122449.	201954.	77606.	196189.	56129.	71871.
TOTAL MOLLUSCA	539.	1258.	701.	1401.	452.	645.
TOTAL CRUSTACEA	92404.	180673.	64876.	179722.	16516.	27806.
TOTAL DECAPOD LARVAE	1079.	1438.	934.	1752.	129.	129.
TOTAL COPEPODA	75505.	151370.	47358.	107664.	14064.	25613.
TOTAL ADULT PONTELLID COPEPODS	13157.	42637.	17752.	34920.	2516.	3226.
TOTAL IMMATURE PONTELLID COPEPODS	3955.	10966.	584.	2219.	710.	839.
TOTAL TUNICATES	719.	1798.	350.	117.	11290.	10452.
TOTAL FISH	180.	180.	0.	0.	129.	129.
TOTAL FISH EGGS	180.	180.	350.	350.	1419.	6903.
TAR (GRAMS PER 1.000 CUBIC METERS)	6.29	6.83	0.93	1.05	0.00	4.19

TABLE 1 CONT.'D

DECEMBER 1977: TRANSECT II: STATION:	2N1	2N4	3D2	3D3	3N2	3N4
FORAMINIFERA	0.0	0.0	347.8	43.5	32.0	320.0
SIPHONOPHORES						
PHYSALIA	10.0	0.0	0.0	0.0	0.0	0.0
PORPITA						
VELLELA	40.0	0.0	0.0	0.0	0.0	64.0
SIPHONOPHORE PARTS	RARE	RARE	COMMON	COMMON	COMMON	
MEDUSAE	400.0	280.0	87.0	130.4	128.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	0.0	43.5	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	360.0	960.0	43.5	0.0	64.0	32.0
GASTROPOD MEROPLANKTERS	80.0	40.0	43.5	0.0	64.0	32.0
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	80.0	200.0	0.0	0.0	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	40.0	130.4	130.4	32.0	32.0
CRESEIS VIRGULA	160.0	0.0	217.4	173.9	448.0	384.0
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	1560.0	2480.0	695.7	87.0	1408.0	2432.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES	0.0	0.0	0.0	43.5	0.0	32.0
OTHER	0.0	0.0	43.5	0.0	96.0	0.0
CRUSTACEA						
AMPHIPODA	0.0	40.0	0.0	0.0	104.0	0.0
HYPERIIDAE	2160.0	1880.0	43.5	87.0	1472.0	1568.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS	0.0	0.0	87.0	0.0	0.0	0.0
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	60.0	10.0	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	190.0	230.0	0.0	0.0	8.0	128.0
LUCIFER FAXONI	1560.0	2200.0	87.0	173.9	1088.0	1312.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	40.0	0.0	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	240.0	80.0	0.0	0.0	4832.0	7936.0
BRACHYURAN ZOEAS	3680.0	6000.0	43.5	0.0	1024.0	1312.0

TABLE 1 CONT.'D

DECEMBER 1977:

TRANSECT II:

STATION: (cont.)	2N1	2N4	3D2	3D3	3N2	3N4
MACRURAN LARVAE						
SHRIMP LARVAE	3600.0	4720.0	173.9	478.3	320.0	640.0
STOMATOPOD ALIMA LARVAE	240.0	160.0	0.0	0.0	0.0	0.0
EUPHAUSIIDS	0.0	0.0	87.0	0.0	0.0	0.0
CUMACEA						
MYSIDACEA	5560.0	1400.0	0.0	0.0	704.0	1216.0
OSTRACODA	80.0	240.0	43.5	43.5	64.0	288.0
CLADOCERA	4600.0	6360.0	43.5	0.0	352.0	512.0
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE	0.0	0.0	0.0	0.0	0.0	544.0
CANDACIA CURTA FEMALE	0.0	0.0	0.0	0.0	0.0	1952.0
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	96.0	128.0
CENTROPAGES FURCATUS MALE	2040.0	2320.0	0.0	0.0	0.0	32.0
CENTROPAGES FURCATUS FEMALE	6320.0	7840.0	0.0	0.0	128.0	64.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE	0.0	0.0	0.0	0.0	32.0	0.0
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE	0.0	80.0	130.4	87.0	480.0	320.0
NANNOCALANUS MINOR	0.0	0.0	0.0	0.0	192.0	352.0
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUORMAMMA ABDOMINALIS IMMATU						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	760.0	880.0	0.0	0.0	32.0	32.0
TEMORA TURBINATA	48600.0	83800.0	260.9	87.0	32.0	128.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE	0.0	0.0	0.0	0.0	32.0	32.0
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	40.0	0.0	0.0	0.0	224.0	64.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES	0.0	0.0	43.5	0.0	32.0	0.0
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	720.0	680.0	0.0	0.0	0.0	0.0
EUCALANUS PILEATUS FEMALES	2640.0	2960.0	0.0	0.0	256.0	160.0
EUCALANUS PILEATUS IMMATURES	4800.0	4280.0	0.0	0.0	288.0	448.0
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE	0.0	0.0	217.4	0.0	0.0	0.0
PONTELLIDS	0.0	40.0	0.0	0.0	0.0	0.0
ANOMALOCERA ORNATA MALE	2120.0	1960.0	43.5	0.0	0.0	64.0
ANOMALOCERA ORNATA FEMALE	1240.0	760.0	0.0	0.0	0.0	0.0
ANOMALOCERA ORNATA IMMATURE	480.0	0.0	0.0	0.0	0.0	0.0
CALANOPIA AMERICANA MALE	1560.0	2000.0	0.0	0.0	288.0	0.0
CALANOPIA AMERICANA FEMALE	4520.0	4800.0	0.0	0.0	1152.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	2280.0	1200.0	0.0	0.0	0.0	0.0

TABLE 1 CONT'D

DECEMBER 1977:

TRANSECT II:

STATION: (cont.)	2N1	2N4	3D2	3D3	3N2	3N4
LABIDOCERA AESTIVA FEMALE	840.0	760.0	0.0	0.0	0.0	0.0
LABIDOCERA SCOTTI MALE	40.0	40.0	0.0	0.0	0.0	32.0
LABIDOCERA SCOTTI FEMALE	120.0	160.0	0.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	1400.0	1720.0	0.0	0.0	0.0	32.0
PONTELLA MEADII MALE	200.0	0.0	0.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE	0.0	40.0	0.0	0.0	0.0	0.0
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	0.0	0.0	0.0	0.0	32.0	0.0
PONTELLOPSIS VILLOSA MALE	200.0	200.0	0.0	0.0	64.0	0.0
PONTELLOPSIS VILLOSA FEMALE	80.0	40.0	0.0	0.0	0.0	0.0
PONTELLOPSIS IMMATURE	40.0	0.0	0.0	0.0	0.0	0.0
PONTELLINA PLUMATA MALE	0.0	0.0	43.5	0.0	0.0	0.0
PONTELLINA PLUMATA FEMALE	0.0	0.0	0.0	43.5	0.0	0.0
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	800.0	1320.0	87.0	0.0	992.0	1216.0
CYCLOPOIDA	80.0	200.0	652.2	217.4	896.0	992.0
COPILIA MIRABILIS MALE	0.0	0.0	87.0	43.5	64.0	64.0
COPILIA MIRABILIS FEMALE	120.0	200.0	260.9	173.9	128.0	64.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA	0.0	0.0	0.0	0.0	0.0	64.0
SAPPHIRINA NIGROMACULATA	0.0	0.0	43.5	43.5	32.0	64.0
SAPPHIRINA METALLINA	0.0	0.0	0.0	0.0	32.0	0.0
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	240.0	200.0	36869.6	23956.5	2816.0	2752.0
CHAETOGNATHS	4400.0	4880.0	3347.8	3217.4	1024.0	1152.0
TUNICATES						
DOLIOLIDS	760.0	1160.0	1043.5	869.6	1024.0	1024.0
LARVACEANS	1200.0	1760.0	5565.2	3217.4	1568.0	1344.0
SALPS	0.0	0.0	217.4	347.8	32.0	128.0
FISH	160.0	120.0	130.4	87.0	1048.0	600.0
FISH EGGS	5600.0	6480.0	1130.4	608.7	992.0	1632.0
HALOBATES MICANS	0.0	0.0	0.0	130.4	0.0	64.0
PLANT STEMS						
PLASTIC						
SARGASSUM	PRESENT	PRESENT	PRESENT		PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
TAR	0.0	2.5	0.8	1.7	5.1	15.0
TERRESTRIAL INSECTS	0.0	0.0	0.0	0.0	0.0	32.0
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS			PRESENT			
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	119100.	160200.	52391.	40565.	26248.	33816.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	40.0	40.0	43.5	43.5	32.0	32.0
ALIQUOT SIZE	1/ 4.	1/ 4.	1/ 4.	1/ 4.	1/ 4.	1/ 4.

TABLE 1 CONT'D

DECEMBER 1977: TRANSECT II: STATION:	2N1	2N4	3D2	3D3	3N2	3N4
TOTAL NO. PER 1.000 CUBIC METERS	119100.	160200.	52391.	40565.	26248.	33816.
TOTAL MOLLUSCA	2240.	3720.	1174.	435.	2112.	2944.
TOTAL CRUSTACEA	103850.	141200.	1435.	1000.	14320.	20512.
TOTAL DECAPOD LARVAE	7560.	10800.	217.	478.	6176.	9888.
TOTAL COPEPODA	81840.	117890.	826.	217.	4352.	5600.
TOTAL ADULT PONTELLID COPEPODS	13200.	12000.	87.	43.	1504.	96.
TOTAL IMMATURE PONTELLID COPEPODS	1920.	1720.	0.	0.	32.	32.
TOTAL TUNICATES	1960.	2920.	6826.	4435.	2624.	2496.
TOTAL FISH	160.	120.	130.	87.	1048.	600.
TOTAL FISH EGGS	5600.	6480.	1130.	609.	992.	1632.
TAR (GRAMS PER 1.000 CUBIC METERS)	0.00	2.55	0.78	1.74	5.06	16.02

TABLE 2

LISTING OF MOST ABUNDANT DECAPOD TAXA IN 1977 NEUSTON SAMPLES.
ABUNDANCES ARE GIVEN AS NUMBERS PER 1000 m^3 AND AS PERCENT OF TOTAL SAMPLE DECAPODS.

STATION	NO. OF DECAPOD TAXA	GROUP	FAMILY	SPECIES	#/1000 m^3	%
WINTER						
1/I/D	3	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	16	40%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	16	40%
2/I/D	4	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	20,322	92%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	1,213	5%
3/I/D	10	BRACHYURA	PORTUNIDAE	Portunid megalopas	2,112	34%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	1,299	21%
		NATANTIA	SERGESTIDAE	*Lucifer* zoeas	1,137	18%
1/II/D	2	BRACHYURA	PORTUNIDAE	Portunid megalopas	653	50%
		ANOMURA	PAGURIDAE	Pagurid glaucothoe	653	50%
1/II/N	6	BRACHYURA	PORTUNIDAE	Portunid megalopas	1,785	50%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	510	14%
		NATANTIA	PASIPHAEIDAE	*Leptochela* zoeas	510	14%
2/II/D	12	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	3,991	68%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	455	8%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	385	7%
2/II/N	9	NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	716	19%
		NATANTIA	SERGESTIDAE	*Lucifer* zoeas	716	19%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	537	14%
		BRACHYURA	?	Sp. E megalopas	537	14%
3/II/D	5	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	246	40%
		BRACHYURA	?	Sp. E megalopas	205	33%
3/II/N	18	NATANTIA	PASIPHAEIDAE	*Leptochela* zoeas	11,461	47%
		BRACHYURA	?	Sp. E megalopas	4,989	21%
1/III/D	3	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	715	71%
		NATANTIA	SERGESTIDAE	*Lucifer* zoeas	143	14%
		BRACHYURA	XANTHIDAE	*Neopanope texana* zoeas	143	14%
2/III/D	3	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	158	71%
		NATANTIA	PASIPHAEIDAE	*Leptochela* zoeas	32	14%
		NATANTIA	SERGESTIDAE	Sergestid protozoeas	32	14%
3/III/D	4	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	200	46%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	120	27%
1/IV/D	0					
2/IV/D	4	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	11,142	92%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	518	4%
3/IV/D	5	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	141	38%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	94	25%

TABLE 2 CONT.'D

STATION	NO. OF DECAPOD TAXA	GROUP	FAMILY	SPECIES	#/1000 m^3	%
MARCH						
1/II/D	5	BRACHYURA	PORTUNIDAE	Portunid megalopas	960	67%
1/II/N	12	BRACHYURA	PORTUNIDAE	Portunid megalopas	26,540	71%
		BRACHYURA	PINNOTHERIDAE	*Pinnixa* cf. *cylindrica* zoeas	3,872	10%
2/II/D	2	BRACHYURA	PORTUNIDAE	Portunid megalopas	208	57%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	52	14%
		NATANTIA	HIPPOLYTIDAE	*Latreutes parvulus*	52	14%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	52	14%
2/II/N	15	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	9,972	66%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	1,288	9%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	964	7%
3/II/D	3	BRACHYURA	PORTUNIDAE	Portunid megalopas	3,924	65%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,604	27%
3/II/N	15	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	17,776	37%
		BRACHYURA	?	Sp. E megalopas	5,532	14%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	4,740	12%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	3,952	10%
APRIL						
1/II/D	13	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	6,048	66%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,776	19%
1/II/N	21	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	2,934	50%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,867	32%
		BRACHYURA	XANTHIDAE	*Neopanope texana* zoeas	191	3%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	191	3%
2/II/D	4	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	5,938	69%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,485	17%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	1,028	12%
2/II/N	14	BRACHYURA	PORTUNIDAE	Portunid zoeas (*Callinectes* & *Portunus*)	76,743	63%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	10,875	9%
		BRACHYURA	?	Sp. E megalopas	9,942	8%
3/II/D	5	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	6,691	46%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	5,527	38%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	1,164	8%
3/II/N	6	BRACHYURA	PORTUNIDAE	Portunid zoeas (*Callinectes* & *Portunus*)	68,830	76%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	12,339	14%
		NATANTIA	PASIPHAEIDAE	*Leptochela* postlarvae	5,398	6%

TABLE 2 CONT.'D

STATION	NO. OF DECAPOD TAXA	GROUP	FAMILY	SPECIES	#/1000 m^3	%
SPRING						
1/I/D	16	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	37,577	64%
		BRACHYURA	PINNOTHERIDAE	*Pinnixa sayana* zoeas	10,015	17%
		"	XANTHIDAE	*Hexapanopeus angustifrons* zoeas	4,729	8%
2/I/D	10	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	42,922	75%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	7,024	12%
		NATANTIA	PENAEIDAE	*Xiphopenaeus* zoeas	2,731	5%
3/I/D	8	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	194	63%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	78	25%
1/II/D	23	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	44,539	74%
		"	PENAEIDAE	*Trachypenaeus* zoeas	5,067	8%
		"	STENOPODIDAE	Stenopodid zoeas	1,600	3%
1/II/N	32	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	12,245	17%
		ANOMURA	PAGURIDAE	Pagurid zoeas	10,575	15%
		NATANTIA	SERGESTIDAE	Sergestid zoeas	6,458	10%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	5,844	8%
		"	PINNOTHERIDAE	*Pinnixa sayana* zoeas	5,844	8%
2/II/D	12	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	10,401	64%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	3,200	20%
		"	"	*Portunus* zoeas	1,334	8%
2/II/N	25	NATANTIA	PENAEIDAE	*Xiphopenaeus* zoeas	39,386	26%
		"	SERGESTIDAE	*Lucifer faxoni*	25,847	17%
		BRACHYURA	XANTHIDAE	*Menippe mercenaria* zoeas	12,308	8%
		"	?	Sp. I megalopas	11,693	8%
3/II/D	6	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	9,755	45%
		"	PENAEIDAE	*Trachypenaeus* zoeas	390	18%
		"	ALPHEIDAE	Alpheid zoeas	390	18%
3/II/N	9	BRACHYURA	PORTUNIDAE	Portunid megalopas	44,800	46%
		"	?	Sp. E megalopas	19,200	20%
		"	?	Sp. B "	12,000	12%
		NATANTIA	PASIPHAEIDAE	*Leptochela bermudensis*	8,000	8%
1/III/D	15	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	5,867	33%
		"	PENAEIDAE	*Penaeus* zoeas	2,845	16%
		"	"	*Xiphopenaeus* zoeas	2,134	12%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	1,778	10%
2/III/D	12	NATANTIA	PENAEIDAE	*Trachypenaeus* zoeas	7,061	42%
		"	ALPHEIDAE	Alpheid zoeas	3,766	22%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	1,726	10%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,569	9%
3/III/D	15	NATANTIA	PENAEIDAE	*Trachypenaeus* zoeas	1,270	32%
		"	ALPHEIDAE	Alpheid zoeas	762	19%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	445	11%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	381	10%

(SPRING CONTINUED ON NEXT PAGE)

TABLE 2. CONT.'D

STATION	NO. OF DECAPOD TAXA	GROUP	FAMILY	SPECIES	#/1000 m^3	%
SPRING CONTINUED						
1/IV/D	11	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	3,597	38%
		"	PENAEIDAE	*Trachypenaeus* zoeas	2,569	27%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	1,248	13%
		"	"	*Portunus* zoeas	1,101	12%
2/IV/D	3	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	366,096	99%
3/IV/D	6	BRACHYURA	PORTUNIDAE	*Portunus* zoeas	87	30%
		"	"	*Callinectes* zoeas	87	30%
JULY						
1/II/D	8	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	35,262	89%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	6,857	17%
		"	"	*Portunus* zoeas	4,571	12%
1/II/N	11	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	10,615	63%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	2,691	16%
		"	"	*Portunus* zoeas	2,093	12%
2/II/D	2	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	198	71%
2/II/N	16	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	6,399	56%
		"	ALPHEIDAE	Alpheid zoeas	1,317	11%
		"	PANDALIDAE	Pandalid zoeas	753	7%
3/II/D	6	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	500	79%
3/II/N	15	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	17,778	35%
		"	PASIPHAEIDAE	*Leptochela bermudensis*	11,761	23%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	9,299	18%
		"	"	*Portunus* zoeas	2,735	5%
AUGUST						
1/II/D	6	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	4,074	95%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	97	2%
1/II/N	19	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	47,311	52%
		BRACHYURA	PINNOTHERIDAE	Pinnotherid sp. A	18,924	21%
		"	PORTUNIDAE	*Portunus* zoeas	5,566	6%
2/II/D	4	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	172	50%
		BRACHYURA	PORTUNIDAE	*Callinectes* sp. zoeas	86	25%
2/II/N	14	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	26,799	61%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	9,351	21%
3/II/D	4	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,706	80%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	230	11%
		"	"	*Callinectes*	164	8%
3/II/N	13	BRACHYURA	PORTUNIDAE	Portunid megalopas	8,375	50%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	5,250	32%
		"	PASIPHAEIDAE	*Leptochela bermudensis*	1,125	7%

TABLE 2 CONT.'D

STATION	NO. OF DECAPOD TAXA	GROUP	FAMILY	SPECIES	#/1000 m^3	%
FALL						
1/I/D	24	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	14,684	22%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	8,283	12%
		ANOMURA	PAGURIDAE	Pagurid zoeas	7,530	11%
2/I/D	5	BRACHYURA	PORTUNIDAE	Portunid megalopas	1,734	47%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,583	43%
		BRACHYURA	PORTUNIDAE	*Portunus* zoeas	189	5%
3/I/D	10	BRACHYURA	PORTUNIDAE	Portunid megalopas	58,176	94%
		NATANTIA	ALPHEIDAE	Alpheid zoeas	646	1%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	485	1%
1/II/D	8	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	308	27%
		"	"	Sergestid protozoeas	257	23%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	205	18%
1/II/N	16	NATANTIA	SERGESTIDAE	Sergestid zoeas	12,040	52%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	3,962	17%
		"	?	Sp. E megalopas	2,286	10%
2/II/D	5	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	2,279	50%
		"	"	*Portunus* zoeas	140	21%
		NATANTIA	PENAEIDAE	*Sicyonia* zoeas	93	14%
2/II/N	22	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	7,425	33%
		"	"	Portunid megalopas	6,188	28%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	2,723	12%
3/II/D	7	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	8,036	83%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	941	10%
		NATANTIA	PENAEIDAE	*Parapenaeus* zoeas	314	3%
		"	"	*Parapenaeus* protozoeas	274	3%
3/II/N	16	BRACHYURA	PORTUNIDAE	Portunid megalopas	14,987	48%
		"	"	*Callinectes* zoeas	8,003	26%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	4,511	14%
1/III/D	7	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,793	84%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	125	6%
2/III/D	16	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	9,883	67%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	2,002	14%
		NATANTIA	PENAEIDAE	*Parapenaeus* protozoeas	1,363	9%
3/III/D	3	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	260	72%
		"	"	Portunid megalopas	52	14%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	52	14%
1/IV/D	31	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	45,063	37%
		BRACHYURA	PINNOTHERIDAE	Pinnotherid sp. A zoeas	17,687	14%
		NATANTIA	SERGESTIDAE	Sergestid zoeas	15,380	13%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	13,842	11%

(FALL CONTINUED ON NEXT PAGE)

TABLE 2 CONT.'D

STATION	NO. OF DECAPOD TAXA	GROUP	FAMILY	SPECIES	#/1000 m^3	%
FALL						
2/IV/D	2	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	257	88%
3/IV/D	4	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,150	90%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	43	3%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	43	3%
		"	HIPPOLYTIDAE	*Latreutes parvulus*	43	3%
NOVEMBER						
1/II/D	7	NATANTIA	SERGESTIDAE	Sergestid zoeas	12,861	49%
		"	"	*Lucifer faxoni*	6,580	25%
		"	"	Sergestid protozoeas	2,692	10%
1/II/N	11	NATANTIA	SERGESTIDAE	Sergestid zoeas	27,720	71%
		"	"	*Lucifer faxoni*	4,032	10%
		"	STENOPODIDAE	Stenopodid zoeas	2,016	5%
2/II/D	4	NATANTIA	HIPPOLYTIDAE	*Latreutes fucorum*	336	59%
		"	"	*Latreutes parvulus*	159	28%
2/II/N	10	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	6,934	58%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	3,600	30%
3/II/D	10	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	2,564	75%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	509	15%
3/II/N	13	BRACHYURA	PORTUNIDAE	Portunid megalopas	1,193	27%
		"	"	*Callinectes* zoeas	944	22%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	746	17%
		BRACHYURA	?	Sp. B megalopas	596	14%
DECEMBER						
1/II/D	6	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	3,596	74%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	899	19%
1/II/N	14	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,285	46%
		"	STENOPODIDAE	Stenopodid zoeas	526	19%
2/II/D	3	NATANTIA	SERGESTIDAE	*Lucifer faxoni*	581	82%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	97	14%
2/II/N	22	BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	3,240	35%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,560	17%
		"	"	Sergestid zoeas	1,280	14%
		"	"	Sergestid protozoeas	1,040	11%
3/II/D	4	NATANTIA	SERGESTIDAE	Sergestid protozoeas	218	45%
		"	"	*Lucifer faxoni*	131	27%
		"	"	Sergestid zoeas	109	23%
3/II/N	14	BRACHYURA	PORTUNIDAE	Portunid megalopas	4,448	61%
		NATANTIA	SERGESTIDAE	*Lucifer faxoni*	1,088	15%
		BRACHYURA	PORTUNIDAE	*Callinectes* zoeas	928	13%

TABLE 3

IDENTIFICATION AND CALCULATED NUMBERS OF ICHTHYOPLANKTON
OBTAINED FROM SAMPLE ALIQUOTS BY DATE, STATION, TRANSECT, AND TIME OF DAY

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
Winter		1	I	D	0	Gerreidae- Eucinostomus sp.	10
						Mugilidae- Mugil cephalus	2
Winter		2	I	D	1,959	Clupeidae- Etrumeus teres	2
						Gadidae- Urophycis sp.	86
						Mugilidae- Mugil cephalus	2
						Leptocephalus larvae	18
Winter		3	I	D	1,025	Bothidae- Etropus crossotus	225
						Carangidae- Trachurus lathami	150
						Clupeidae	87
						Clupeidae- Etrumeus teres	650
						Exocoetidae	5
						Gadidae- Urophycis sp.	5
						Gerreidae- Eucinostomus sp.	25
						Mugilidae- Mugil cephalus	15
						Leptocephalus larvae	5
						Unknowns	137
Winter		1	II	D	21	Clupeidae	41
						Clupeidae- Brevoortia patronus	145
						Gadidae- Urophycis sp.	15
						Gerreidae- Eucinostomus sp.	622
Winter		1	II	N	90	Bothidae- Etropus crossotus	66
						Bothidae- Paralichthys sp.	25
						Clupeidae- Brevoortia sp.	16

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
						Clupeidae- Brevoortia patronus	206
						Clupeidae- Etrumeus teres	16
						Gadidae- Urophycis sp.	8
						Gerreidae- Eucinostomus sp.	206
						Mugilidae- Mugil cephalus	20
						Sciaenidae- Leiostomus xanthurus	156
Winter		2	II	D	3,285	Gadidae- Urophycis sp.	16
						Sciaenidae	8
						Unknowns	84
Winter		2	II	N	954	Bothidae	52
						Bothidae- Paralichthys sp.	6
						Bregmacerotidae- Bregmaceros atlanticus	12
						Carangidae- Trachurus lathami	35
						Clupeidae	98
						Clupeidae- Brevoortia patronus	52
						Clupeidae- Etrumeus teres	17
						Gadidae- Urophycis sp.	3
						Gerreidae- Eucinostomus sp.	46
						Gobiidae	29
						Mugilidae- Mugil cephalus	11
						Sciaenidae	23
						Sciaenidae- Leiostomus xanthurus	75
						Sciaenidae- Micropogon undulatus	17
						Stromateidae	17
						Triglidae- Prionotus sp.	6
						Unknowns	40
Winter		3	II	D	5,087	Bothidae	6
						Centriscidae- Macrorhamphosus scolopax	19

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
						Gadidae- *Urophycis* sp.	159
						Mugilidae- *Mugil cephalus*	73
						Nomeidae- *Nomeus gronovii*	3
Winter		3	II	N	4,245	Bothidae	74
						Bothidae- *Etropus crossotus*	133
						Bothidae- *Paralichthys* sp.	87
						Carangidae- *Trachurus lathami*	37
						Clupeidae- *Brevoortia patronus*	16
						Clupeidae- *Etrumeus teres*	1,368
						Exocoetidae	10
						Gadidae- *Urophycis* sp.	16
						Gerreidae- *Eucinostomus* sp.	528
						Gobiidae	16
						Mugilidae- *Mugil cephalus*	10
						Sciaenidae	216
						Sciaenidae- *Leiostomus xanthurus*	10
						Scorpaenidae- *Scorpaena* sp.	3
						Stromateidae- *Peprilus* sp.	21
						Syngnathidae	3
						Synodontidae	5
						Triglidae- *Prionotus* sp.	10
						Unknowns	68
Winter		1	III	D	83	Clupeidae	5
						Clupeidae- *Brevoortia patronus*	175
						Engraulidae- *Engraulis eurystole*	2
						Gadidae- *Urophycis* sp.	40
						Gerreidae- *Eucinostomus* sp.	263
						Mugilidae- *Mugil cephalus*	4

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
Winter		2	III	D	2,128	Gadidae- *Urophycis* sp.	7
						Mugilidae- *Mugil* sp.	2
						Mugilidae- *Mugil cephalus*	11
						Unknowns	4
Winter		3	III	D	1,269	Centriscidae- *Macrorhamphosus scolopax*	11
						Mugilidae- *Mugil cephalus*	2
						Unknowns	40
Winter		1	IV	D	114	Gadidae- *Urophycis* sp.	25
						Gerreidae- *Eucinostomus* sp.	22
						Mugilidae- *Mugil cephalus*	3
						Unknowns	5
Winter		2	IV	D	936	Clupeidae- *Brevoortia* sp.	17
						Gadidae- *Urophycis* sp.	133
						Gerreidae- *Eucinostomus* sp.	163
						Mugilidae- *Mugil* sp.	25
						Mugilidae- *Mugil cephalus*	32
						Nomeidae- *Nomeus gronovii*	4
						Leptocephalus larvae	8
						Unknowns	4
March	1	1	II	D	1,941	Clupeidae- *Etrumeus teres*	21
March	3	1	II	D	2,044	Engraulidae	21
March	2	1	II	N	1,084	Bothidae	20
						Bothidae- *Etropus crossotus*	79
						Bregmacerotidae- *Bregmaceros atlanticus*	18

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
						Gobiidae	20
						Sciaenidae	20
						Scombridae	9
						Unknowns	20
March	4	1	II	N	965	Bothidae- *Etropus crossotus*	39
						Gobiidae	20
						Gobiidae- *Gobiosoma* sp.	20
						Unknowns	20
March	1	2	II	D	37,284	Bregmacerotidae- *Bregmaceros atlanticus*	13
						Gadidae- *Urophycis* sp.	13
						Mullidae	30
March	4	2	II	D	41,469	Clupeidae	13
						Gadidae- *Urophycis* sp.	13
March	2	2	II	N	8,846	Antennariidae- *Histrio histrio*	10
						Clupeidae	23
						Clupeidae- *Etrumeus teres*	114
						Gadidae- *Urophycis* sp.	30
						Gerreidae- *Eucinostomus* sp.	23
						Stromateidae- *Peprilus* sp.	46
						Stromateidae- *Peprilus burti*	23
						Unknowns	46
March	4	2	II	N	8,137	Clupeidae	23
						Gadidae- *Urophycis* sp.	30
						Gerreidae- *Eucinostomus* sp.	23
						Cobiidae- *Gobionellus* sp.	23
						Triglidae- *Prionotus* sp.	23

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
March	2	3	II	D	559	Gadidae- *Urophycis* sp.	33
						Gerreidae- *Eucinostomus* sp.	25
						Mugilidae- *Mugil* sp.	25
						Mullidae	25
March	3	3	II	D	711	Carangidae- *Trachurus lathami*	25
						Gadidae- *Urophycis* sp.	44
						Mullidae	25
March	3	3	II	N	237	Bothidae- *Etropus crossotus*	37
						Carangidae- *Trachurus lathami*	53
						Clupeidae- *Etrumeus teres*	4,888
						Stromateidae- *Peprilus burti*	12
						Synodontidae	26
						Triglidae- *Prionotus* sp.	12
						Unknowns	448
March	4	3	II	N	290	Bothidae- *Etropus crossotus*	12
						Carangidae- *Trachurus lathami*	26
						Clupeidae- *Etrumeus teres*	3,540
						Sciaenidae	26
						Stromateidae	53
						Triglidae- *Prionotus* sp.	79
						Unknowns	342
April	2	1	II	D	5,398	Mugilidae- *Mugil curema*	134
						Mullidae	24
						Sciaenidae	1,691
April	3	1	II	D	4,618	Engraulidae- *Engraulis eurystole*	65
						Mugilidae- *Mugil curema*	24

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
						Mullidae	12
						Sciaenidae	1,691
April	1	1	II	N	3,009	Synodontidae	38
						Unknowns	152
April	3	1	II	N	5,105	Mugilidae- Mugil curema	9
						Unknowns	229
April	1	2	II	D	21,714	Scorpaenidae- Scorpaena sp.	14
April	4	2	II	D	23,829	Exocoetidae	57
						Syngnathidae- Hippocampus erectus	14
April	2	2	II	N	11,267	Clupeidae	166
						Clupeidae- Etrumeus teres	186
						Exocoetidae- Hirundichthys rondeleti	10
						Gobiidae	21
						Mullidae	10
						Sciaenidae	41
						Stromateidae- Peprilus sp.	62
						Synodontidae	21
						Triglidae- Prionotus sp.	21
April	3	2	II	N	10,874	Clupeidae	48
						Clupeidae- Etrumeus teres	72
						Exocoetidae- Hirundichthys rondeleti	10
						Gerreidae- Eucinostomus sp.	24
						Mugilidae- Mugil curema	10

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
						Mullidae	19
						Stromateidae- *Peprilus* sp.	48
						Synodontidae	48
						Unknowns	48
April	1	3	II	D	2,182	Mugilidae- *Mugil* sp.	291
						Mugilidae- *Mugil curema*	18
						Mullidae	436
						Triglidae- *Prionotus* sp.	145
April	2	3	II	D	6,836	Mullidae	145
						Sciaenidae	145
April	1	3	II	N	854	Carangidae- *Trachurus lathami*	27
						Exocoetidae- *Hirundichthys rondeleti*	27
						Gobiidae	27
						Polynemidae- *Polydactylus octonemus*	12
						Sciaenidae- *Cynoscion* sp.	55
						Stromateidae- *Peprilus burti*	83
						Synodontidae	138
April	4	3	II	N	4,021	Carangidae- *Trachurus lathami*	55
						Gobiidae	55
						Mugilidae- *Mugil curema*	24
						Polynemidae- *Polydactylus octonemus*	12
						Synodontidae	83
						Unknowns	83
Spring	2	1	I	D	2,031	Blenniidae	28
						Clupeidae	28

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
						Clupeidae- Etrumeus teres	56
						Exocoetidae- Hirundichthys rondeleti	9
						Gerreidae- Eucinostomus sp.	28
						Monacanthidae- Monacanthus hispidus	9
						Ophidiidae	56
						Unknowns	28
Spring	3	I	I	D	1,113	None	0
Spring	2	2	I	D	163,975	Carangidae- Trachurus lathami	26
						Exocoetidae	26
						Mullidae	571
						Synodontidae	26
						Tetraodontidae- Sphoeroides sp.	12
						Unknowns	26
Spring	3	2	I	D	132,645	Exocoetidae	52
						Mugilidae- Mugil sp.	26
						Mugilidae- Mugil curema	26
						Mullidae	883
						Tetraodontidae- Sphoeroides sp.	26
						Unknowns	52
Spring	1	3	I	D	14,563	Mugilidae- Mugil curema	78
						Mullidae	116
						Polynemidae- Polydactylus octonemus	10
						Unknowns	78
Spring	4	3	I	D	8,039	Exocoetidae	39
						Mugilidae- Mugil sp.	39
						Mullidae	194

TABLE 3 CONT.'D

Sample Date	Net Partition	Sation	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
Spring	1	1	II	D	133	Unknowns	67
Spring	3	1	II	D	615	Carangidae- *Trachurus lathami*	41
						Clupeidae- *Harengula jaguana*	41
						Engraulidae	164
						Exocoetidae- *Hirundichthys rondeleti*	41
						Unknowns	123
Spring	2	1	II	N	2,783	Carangidae- *Trachurus lathami*	128
						Clupeidae	21
						Clupeidae- *Opisthonema oglinum*	43
						Engraulidae	706
						Engraulidae- *Anchoa hepsetus*	43
						Exocoetidae- *Hirundichthys rondeleti*	9
						Mugilidae- *Mugil curema*	18
						Sciaenidae	642
Spring	4	1	II	N	3,061	Engraulidae	278
						Sciaenidae	556
Spring	1	2	II	D	2,933	Exocoetidae	267
Spring	4	2	II	D	2,333	Engraulidae	67
Spring	3	2	II	N	13,178	Bothidae	21
						Clupeidae	127
						Clupeidae- *Etrumeus teres*	21
						Clupeidae- *Harengula jaguana*	85
						Engraulidae	170
						Engraulidae- *Anchoa hepsetus*	21
						Unknowns	318

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
Spring	4	2	II	N	12,923	Engraulidae	615
						Mugilidae- *Mugil curema*	106
						Mullidae	48
						Unknowns	615
Spring	1	3	II	D	584	None	0
Spring	2	3	II	D	623	None	0
Spring	1	3	II	N	400	Engraulidae	800
						Exocoetidae- *Hirundichthys rondeleti*	12
						Synodontidae	400
						Triglidae- *Prionotus* sp.	400
						Unknowns	1,600
Spring	4	3	II	N	2,240	Bothidae- *Paralichthys* sp.	240
						Clupeidae	107
						Clupeidae- *Harengula jaguana*	587
						Clupeidae- *Opisthonema oglinum*	12
						Engaulidae	213
						Exocoetidae- *Hirundichthys rondeleti*	65
						Gobiidae	133
						Microdesmidae- *Microdesmus* sp.	187
						Ophidiidae	27
						Synodontidae	320
						Triglidae- *Prionotus* sp.	400
						Unknowns	880
Spring	1	1	III	D	4,622	Engraulidae	178
Spring	4	1	III	D	6,755	None	0

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
Spring	2	2	III	D	1,490	Bothidae	78
						Unknowns	78
Spring	4	2	III	D	2,510	Clupeidae- *Etrumeus teres*	157
Spring	1	3	III	D	698	Mullidae	63
						Unknowns	127
Spring	4	3	III	D	2,476	Unknowns	127
Spring	1	1	IV	D	14,679	Unknowns	294
Spring	2	1	IV	D	5,375	Clupeidae- *Etrumeus teres*	23
						Engraulidae- *Engraulis eurystole*	68
						Exocoetidae	23
						Unknowns	45
Spring	3	2	IV	D	9,634	Clupeidae	44
						Engraulidae	133
						Exocoetidae	178
						Mugilidae- *Mugil curema*	89
						Mullidae	1,110
						Tetraodontidae- *Sphoeroides* sp.	11
Spring	4	2	IV	D	3,774	Exocoetidae	111
						Mugilidae- *Mugil cephalus*	44
						Mugilidae- *Mugil curema*	22
						Mullidae	422
						Tetraodontidae- *Sphoeroides* sp.	22
						Unknowns	22

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
Spring	1	3	IV	D	1,217	Mullidae	116
						Polynemidae- *Polydactylus octonemus*	14
Spring	3	3	IV	D	1,743	Exocoetidae	112
						Mullidae	112
						Unknowns	56
July	2	1	II	D	47,673	Unknowns	326
July	4	1	II	D	35,265	Unknowns	653
July	1	1	II	N	42,617	Scombridae	149
						Synodontidae	9,869
						Unknowns	748
July	2	1	II	N	42,168	Clupeidae	3,290
						Gobiidae	149
						Unknowns	10,019
July	2	2	II	D	9,465	Mullidae	238
July	3	2	II	D	7,445	Mullidae	198
						Unknowns	40
July	1	2	II	N	6,400	Bothidae	188
						Clupeidae	5,459
						Gerreidae- *Eucinostomus* sp.	188
						Unknowns	188

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
July	2	2	II	N	2,823	Bothidae	188
						Clupeidae	3,012
						Exocoetidae- *Exocoetus obtusirostris*	12
						Exocoetidae- *Hirundichthys rondeleti*	12
						Unknowns	565
July	1	3	II	D	11,864	Hemiramphidae- *Hyporhamphus unifasciatus*	11
						Mullidae	2,465
July	2	3	II	D	13,227	Exocoetidae	45
						Mullidae	2,056
						Unknowns	102
July	1	3	II	N	9,299	Clupeidae	2,461
						Gerreidae- *Eucinostomus* sp.	273
July	3	3	II	N	4,103	Clupeidae	2,188
						Sciaenidae	547
August	2	1	II	D	1,592	None	0
August	4	1	II	D	194	Clupeidae- *Etrumeus teres*	116
						Mullidae	39
August	1	1	II	N	853	Carangidae- *Trachurus lathami*	260
						Clupeidae	1,855
						Clupeidae- *Etrumeus teres*	427
						Engraulidae	5,101
						Engraulidae- *Anchoa hepsetus*	18
						Microdesmidae- *Microdesmus* sp.	37
						Sciaenidae	241
						Scombridae	37
						Unknowns	1,521

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
August	1	2	II	D	5,204	Unknowns	172
August	3	2	II	D	2,839	Exocoetidae	43
						Unknowns	258
August	1	2	II	N	7,298	Clupeidae	1,680
						Clupeidae- *Harengula jaguana*	509
						Engraulidae- *Anchoa hepsetus*	69
						Exocoetidae	6
						Gobiidae	27
						Serranidae	75
						Synodontidae	124
						Unknowns	303
August	4	2	II	N	3,924	Bothidae	14
						Carangidae- *Trachurus lathami*	14
						Clupeidae	799
						Clupeidae- *Harengula jaguana*	289
						Engraulidae	69
						Engraulidae- *Anchoa* sp.	27
						Engraulidae- *Anchoa hepsetus*	27
						Microdesmidae- *Microdesmus* sp.	14
						Scombridae	14
						Serranidae	14
						Synodontidae	27
						Unknowns	1,170
August	2	3	II	D	4,852	Unknowns	131
August	3	3	II	D	3,836	Unknowns	262

TABLE 3 CONT.'D

Sample Date	Net Partition	Sation	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
August	1	3	II	N	4,583	Bothidae	21
						Clupeidae	21
						Clupeidae- *Harengula jaguana*	21
						Engraulidae	42
						Exocoetidae	8
						Synodontidae	21
						Unknowns	812
						Leptocephalus larvae	8
August	3	3	II	N	4,521	Bothidae	42
						Clupeidae- *Harengula jaguana*	62
						Engraulidae	21
						Synodontidae	42
						Triglidae- *Prionotus* sp.	83
						Unknowns	792
Fall	3	1	I	D	201	Bothidae	75
						Carangidae- *Trachurus lathami*	266
						Clupeidae- *Harengula jaguana*	1,518
						Engraulidae	477
						Hemiramphidae- *Hyporhamphus unifasciatus*	47
						Sciaenidae	301
						Sciaenidae- *Menticirrhus* sp.	326
Fall	4	1	I	D	50	Bothidae	25
						Carangidae- *Trachurus lathami*	176
						Clupeidae	527
						Clupeidae- *Harengula jaguana*	75
						Engraulidae	979
						Hemiramphidae- *Hyporhamphus unifasciatus*	60
						Sciaenidae	201

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
						Sciaenidae- *Menticirrhus* sp.	176
						Unknowns	25
Fall	1	2	I	D	1,057	Unknowns	38
Fall	4	2	I	D	943	None	0
Fall	2	3	I	D	138	Balistidae	10
						Balistidae- *Canthidermis maculatus*	23
						Clupeidae	23
						Engraulidae	46
						Unknowns	69
Fall	3	3	I	D	23	Synodontidae	23
						Unknowns	23
						Leptocephalus larvae	23
Fall	1	1	II	D	718	Engraulidae- *Anchoa hepsetus*	34
Fall	2	1	II	D	376	Clupeidae	34
						Clupeidae- *Harengula jaguana*	34
						Engraulidae- *Anchoa* sp.	34
Fall	1	1	II	N	3,009	Clupeidae- *Harengula jaguana*	9
						Clupeidae- *Sardinella anchovia*	9
						Engraulidae	38
						Triglidae- *Prionotus* sp.	38
						Unknowns	114
Fall	2	1	II	N	3,467	Engraulidae- *Anchoa* sp.	76
						Gobiidae	38
						Unknowns	38

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
Fall	1	2	II	D	5,395	None	0
Fall	3	2	II	D	1,426	Bothidae- *Paralichthys* sp.	31
						Engraulidae	3,318
						Gobiidae	248
						Sciaenidae	1,054
						Unknowns	186
Fall	1	2	II	N	1,885	Bothidae	24
						Bothidae- *Paralichthys* sp.	24
						Carangidae- *Trachurus lathami*	24
						Clupeidae	24
						Engraulidae	1,673
						Cobiidae	24
						Sciaenidae	848
						Synodontidae	24
						Unknowns	330
Fall	4	2	II	N	1,461	Bothidae	47
						Carangidae- *Trachurus lathami*	94
						Clupeidae	10
						Engraulidae	1,037
						Exocoetidae- *Parexocoetus brachypterus*	10
						Sciaenidae	141
						Sciaenidae- *Menticirrhus* sp.	212
						Sciaenidae- *Micropogon undulatus*	118
						Unknowns	94
						Leptocephalus larvae	24
Fall	1	3	II	D	118	Bothidae	39
Fall	3	3	II	D	1,294	None	0

TABLE 3 CONT.'D

Sample Date	Net Partition	Sation	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
Fall	1	3	II	N	21	Bothidae	62
						Carangidae- *Trachurus lathami*	21
						Coryphaenidae- *Coryphaena hippurus*	21
						Engraulidae	104
						Engraulidae- *Anchoa hepsetus*	42
						Exocoetidae- *Parexocoetus brachypterus*	27
						Gerreidae- *Eucinostomus* sp.	21
						Gobiidae	42
						Hemiramphidae- *Euleptorhamphus velox*	9
						Triglidae- *Prionotus* sp.	42
						Unknowns	104
						Leptocephalus larvae	291
Fall	3	3	II	N	104	Bothidae	21
						Engraulidae- *Anchoa* sp.	104
						Exocoetidae- *Parexocoetus brachypterus*	54
						Gobiidae	62
						Scombridae	83
						Unknowns	229
						Leptocephalus larvae	187
Fall	1	1	III	D	83	None	0
Fall	4	1	III	D	208	None	0
Fall	1	2	III	D	128	Clupeidae- *Harengula jaguana*	298
						Gerreidae- *Eucinostomus* sp.	128
						Unknowns	42
Fall	3	2	III	D	128	Clupeidae- *Harengula jaguana*	638
						Engraulidae- *Anchoa* sp.	42
						Exocoetidae	42
						Exocoetidae- *Parexocoetus brachypterus*	21
						Gerreidae- *Eucinostomus* sp.	42
						Unknowns	85

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
Fall	1	3	III	D	364	None	0
Fall	1	1	IV	D	2,330	Carangidae- *Trachurus lathami*	242
						Clupeidae	154
						Clupeidae- *Brevoortia* sp.	22
						Clupeidae- *Sardinella anchovia*	38
						Engraulidae	132
						Engraulidae- *Anchoa* sp.	44
						Engraulidae- *Engraulis eurustole*	10
						Hemiramphidae- *Hyporhamphus unifasciatus*	32
						Sciaenidae	527
						Triglidae- *Prionotus* sp.	44
						Unknowns	154
Fall	3	1	IV	D	2,593	Carangidae- *Trachurus lathami*	418
						Clupeidae- *Harengula jaguana*	66
						Clupeidae- *Sardinella anchovia*	77
						Engraulidae	308
						Hemiramphidae- *Hyporhamphus unifasciatus*	10
						Sciaenidae	132
						Sciaenidae- *Menticirrhus* sp.	747
						Sciaenidae- *Micropogon undulatus*	110
Fall	1	2	IV	D	0	Exocoetidae	9
Fall	4	2	IV	D	147	Exocoetidae- *Parexocoetus brachypterus*	73
						Unknowns	73
Fall	1	3	IV	D	894	Unknowns	85
Fall	3	3	IV	D	213	Mugilidae- *Mugil cephalus*	42
November	2	1	II	D	598	None	0

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
November	1	1	II	N	252	Sciaenidae- *Micropogon undulatus*	252
November	2	2	II	D	389	Carangidae- *Seriola dumerili*	9
						Mullidae	151
November	3	2	II	D	496	Mugilidae- *Mugil* sp.	9
						Mullidae	317
November	2	2	II	N	533	Bregmacerotidae- *Bregmaceros atlanticus*	267
						Unknowns	267
November	3	2	II	N	0	Bregmacerotidae- *Bregmaceros atlanticus*	267
						Carangidae	267
						Exocoetidae- *Parexocoetus brachypterus*	8
						Exocoetidae- *Prognichthys gibbifrons*	8
						Gobiidae	267
November	1	3	II	D	0	Mullidae	113
						Leptocephalus larvae	38
November	2	3	II	D	38	Mullidae	75
						Leptocephalus larvae	9
November	1	3	II	N	99	Unknowns	99
November	2	3	II	N	0	Bothidae	99
						Bregmacerotidae- *Bregmaceros atlanticus*	397
						Mugilidae- *Mugil curema*	6
December	3	1	II	D	282	Clupeidae	51
						Mugilidae- *Mugil cephalus*	26
						Mullidae	26

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
December	4	1	II	D	514	Clupeidae	26
						Syngnathidae- *Hippocampus erectus*	26
						Unknowns	51
December	1	1	II	N	117	None	0
December	3	1	II	N	100	Bothidae	17
						Stromateidae	17
						Unknowns	17
December	3	2	II	D	1,548	Gadidae- *Urophycis* sp.	21
						Mugilidae- *Mugil cephalus*	21
						Stromateidae	21
						Unknowns	43
December	4	2	II	D	7,484	Unknowns	43
December	1	2	II	N	5,520	Clupeidae	40
						Unknowns	80
December	4	2	II	N	6,320	Clupeidae	40
						Unknowns	40
December	2	3	II	D	1,043	Mugilidae- *Mugil cephalus*	130
						Unknowns	43
December	3	3	II	D	478	Mugilidae- *Mugil cephalus*	87
December	2	3	II	N	992	Exocoetidae	32
						Gobiidae	96
						Mugilidae- *Mugil cephalus*	752

TABLE 3 CONT.'D

Sample Date	Net Partition	Sation	Transect	Day or Night	Number of Eggs/1000m^3	Larvae	Number of Larvae/1000m^3
						Unknowns	40
December	4	3	II	N	1,472	Exocoetidae	32
						Mugilidae- *Mugil cephalus*	776
						Triglidae- *Prionotus* sp.	32
						Unknowns	112

APPENDIX O

MEIOFAUNA PROJECT

List of Tables

Table		Page
1	Counts of Meiofauna per Replicate Cores	O-2

TABLE 1

COUNTS OF METOFAUNA PER REPLICATE CORES - WINTER TRANSECT I

STATION NUMBER	1				2				3			
TAXA	BBDV	BBDW	BBDX	BBDY	BBFU	BBFV	BBFW	BBFX	BBHS	BBHT	BBHU	BBHV
Nematoda	507	825	327	216	468	429	657	768	72	53	78	19
Harpacticoida	70	49	14	12	9	28	24	32	1	1	2	
Kinorhyncha	18	19	5	1	1	13	4	9				
Ostracoda			3	1		1			1			2
Halacaridae		2										
Nauplii		1			1	3	6	5	1		2	
Turbellaria												
True Other												
True Meio. Total	595	896	349	230	479	474	691	814	75	54	82	21
Mean True Meio.		563.3*				668.9*				63.1*		
Foraminifera	21	20	35	26	402	367	476	623	1		3	
Protozoa												
Polychaeta	12	14	6	6	14	21	55	46	2		3	1
Bivalvia	1					2	1	3			1	
Gastropoda												
Peracarid Crust					1		3	1	1	1		
Temporary Others												
TOTAL	629	930	390	262	896	864	1226	1487	79	55	89	22
MEAN TOTAL		601.7*				1217.3*				66.7*		

STATION NUMBER	4				5				6					
TAXA	BCIJ	BCIK	BCIL	BCIM	BCJV	BCJW	BCJX	BCJY	BCLH	BCLI	BCLJ	BCLK	TOTAL	MEAN
Nematoda	104	295	195	130	55	69	125	119	39	113	96	89	5848	265.2*
Harpacticoida	1	15	3	2	2				4	8	3	2	282	12.8*
Kinorhyncha		8		1					2	6	1		88	4.0*
Ostracoda					1				1				10	0.5*
Halacaridae					2					1			5	0.2*
Nauplii		7	2	2	1								31	1.4*
Turbellaria													0	0
True Other													0	0
True Meio. Total	105	325	200	135	61	69	125	119	46	128	100	91	(6264)	(284.1)*
Mean True Meio.		208.2*				101.8*					99.3*			
Foraminifera	11	33	28	11	27	14	6	43	6	3	12	14	2182	99.0*
Protozoa													0	0
Polychaeta	15	19	11	9	1	5	8	2	3	16	6	2	277	12.6*
Bivalvia		3											11	0.5*
Gastropoda													0	0
Peracarid Crust	1												8	0.4*
Temporary Others							1						1	0.1*
TOTAL	132	380	239	155	89	88	140	164	55	147	118	107	(8743)	(396.6)*
MEAN TOTAL		246.6*				130.9*				116.2*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING TRANSECT I

STATION NUMBER	1				2				3			
TAXA	BGVU	BGVV	BGVW	BGVX	BGXT	BGXU	BGXV	BGXW	BGZY	BGZZ	BHAA	BHAB
Nematoda	21	98	8	11	26	16	53	21	16	39	16	37
Harpacticoida	2	5	4	1	1		4		1	6	5	1
Kinorhyncha	1	1										
Ostracoda				1	1				1	2		
Halacaridae		1	1			4	6	2	2			
Nauplii	1	1	1		3	2	1	1	1	5	3	4
Turbellaria												
True Other												
True Meio. Total	25	106	14	13	31	22	64	24	21	52	24	42
Mean True Meio.		43.0*				38.4*				37.8*		
Foraminifera	1	113	13	5	12	4	100	11	1	7	5	22
Protozoa												
Polychaeta	2	9	4	5	2	1	2		2	6	4	7
Bivalvia		1								1	1	5
Gastropoda												
Peracarid Crust										1		
Temporary Others												
TOTAL	28	229	31	23	45	27	166	35	24	67	34	76
MEAN TOTAL		84.6*				74.3*				54.7*		

STATION NUMBER	4				5				6					
TAXA	BHBV	BHBW	BHBX	BHBY	BHDU	BHDV	BHDW	BHDX	BHFS	BHFT	BHFU	BHFV	TOTAL	MEAN
Nematoda	651	228	424	263	61	17	28	29	2	3	6	2	2076	94.2*
Harpacticoida	4	4	3	1	1	1		3	1		1		49	2.2*
Kinorhyncha	7		5	1									15	0.7*
Ostracoda		1									1	1	8	0.4*
Halacaridae		1	1			1		2					21	1.0*
Nauplii	2		2				1	1	2			1	32	1.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	664	234	435	265	62	19	29	35	5	3	8	4	(2201)	(99.8)*
Mean True Meio.		434.9*				39.5*				5.4*				
Foraminifera	116	24	72	74	6	1		1	4	1			593	26.9*
Protozoa													0	0
Polychaeta	21	25	5	20	2							1	118	5.4*
Bivalvia	3	1	2	1					1	5		1	22	1.0*
Gastropoda	1										1		2	0.1*
Peracarid Crust													1	0.1*
Temporary Others													0	0
TOTAL	805	284	514	360	70	20	29	36	10	9	9	6	(2937)	(133.2)*
MEAN TOTAL		534.2*				42.2*				9.3*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL TRANSECT I

STATION NUMBER	1				2				3			
TAXA	BPAZ	BPBA	BPBB	BPBC	BPCY	BPCZ	BPDA	BPDB	BPEX	BPEY	BPEZ	BPFA
Nematoda	119	1037	533	506	103	105	25	37	4	35	7	7
Harpacticoida	4	13	1	9	10	1				1		1
Kinorhyncha	3	39	7	11	4							
Ostracoda					1							
Halacaridae					2				3			
Nauplii	2		1	4	4							
Turbellaria												
True Other												
True Meio. Total	128	1089	542	530	124	106	25	37	7	36	7	8
Mean True Meio.		622.9*				79.5*				15.8*		
Foraminifera	23		8	198	47	36	3	5	3	4		2
Protozoa												
Polychaeta		6	2	7	3	6		1		2		1
Bivalvia				1						1		
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	151	1095	552	736	174	148	28	43	10	43	7	11
MEAN TOTAL		689.6*				106.9*				19.3*		

STATION NUMBER	4				5				6					
TAXA	BPGU	BPGV	BPGW	BPGX	BPIK	BPIL	BPIM	BPIN	BPKA	BPKB	BPKC	BPKD	TOTAL	MEAN
Nematoda	97	271	51	287	9	12	3	9	66	5	60	53	3441	156.1*
Harpacticoida	1		1						5		2	4	53	2.4*
Kinorhyncha	2	1				1			1				69	3.1*
Ostracoda													1	0.1*
Halacaridae	1				1	1							8	0.4*
Nauplii		2						1	1		2	1	18	0.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	101	274	52	287	10	14	3	10	73	5	64	58	(3590)	(162.8)*
Mean True Meio.		194.3*				10.1*				54.4*				
Foraminifera	89	147	13	184		3	3	3	5	4	13	68	861	39.1*
Protozoa													0	0
Polychaeta	6	3	7	9					1	1	2		57	2.6*
Bivalvia									2				4	0.2*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	196	424	72	480	10	17	6	13	81	10	79	126	(4512)	(204.7)
MEAN TOTAL		318.9*				12.5*				80.6*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - WINTER TRANSECT II

STATION NUMBER	1				2				3			
TAXA	BCMT	BCMU	BCMV	BCMW	BCOU	BCOV	BCOW	BCOX	BCQV	BCQW	BCQX	BCQY
Nematoda	77	131	153	91	57	32	20	29	30	55	18	36
Harpacticoida	10	7	3	1	3	2	4	3		8	3	2
Kinorhyncha	2	1			1			1		1		
Ostracoda										3	1	1
Halacaridae		1				1	2	3				
Nauplii	2								4	17	11	6
Turbellaria	2											
True Other												
True Meio. Total	93	140	156	92	61	35	26	36	34	84	33	45
Mean True Meio.		130.4*				43.0*				53.3*		
Foraminifera	33	68	58	16	14	5	3	8				2
Protozoa												
Polychaeta	7	3	2	3	1	1	4	1		1		2
Bivalvia											2	
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	133	211	216	111	76	41	33	45	34	85	35	49
MEAN TOTAL		182.1*				53.1*				55.2*		

STATION NUMBER	4				5				6					
TAXA	BCSW	BCSX	BCSY	BCSZ	BCUO	BCUP	BCUQ	BCUR	BCWG	BCWH	BCWI	BCWJ	TOTAL	MEAN
Nematoda	81	223	476	124	48	27	66	51	20	9	80	16	1950	88.5*
Harpacticoida	3	4	2		5	3	12	4	4	1	5		89	4.0*
Kinorhyncha		2	1	1									10	0.4*
Ostracoda		1					1					2	9	0.4*
Halacaridae													7	0.3*
Nauplii		1	5	1	4				4	1	4	4	64	2.9*
Turbellaria													2	0.1*
True Other										1			1	0.1*
True Meio. Total	84	231	484	126	57	30	79	55	28	12	89	22	(2132)	(96.7)*
Mean True Meio.		251.7*				60.1*				41.1*				
Foraminifera	22	48	116	2	7	1	10	9	13	1	4	5	445	20.2*
Protozoa													0	0
Polychaeta	11	3	6	1	2	1	6		2		4	1	62	2.8*
Bivalvia					1								3	0.1*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others					1								1	0.1*
TOTAL	117	282	606	129	68	32	95	64	43	13	97	28	(2643)	(119.8)*
MEAN TOTAL		308.6*				70.5*				49.3*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING TRANSECT II

STATION NUMBER	1				2				3			
TAXA	BHHL	BBHM	BHHN	BHHO	BHKC	BHKD	BHKE	BHKF	BHMT	BHMU	BHMV	BHMW
Nematoda	150	16	47	11	13	22	9	16	1	6	8	3
Harpacticoida	17		12	1		3	4	1	1		2	1
Kinorhyncha	14		6	1								
Ostracoda									1			
Halacaridae		2	1	1	1	3	1	1		1	2	
Nauplii	5	1	1				6	2	1	1	7	2
Turbellaria												
True Other												
True Meio. Total	186	19	67	14	14	28	20	20	4	8	19	6
Mean True Meio.		77.8*				22.3*				10.1*		
Foraminifera	85	3	51	3		1	10	28			8	101
Protozoa												
Polychaeta	4	5	6					1				
Bivalvia						2			1	1		
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	275	27	124	17	14	31	30	49	5	9	27	107
MEAN TOTAL		120.6*				33.7*				40.3*		

STATION NUMBER	4				5				6					
TAXA	BHPH	BHPI	BHPJ	BHPK	BHRL	BHRM	BHRN	BHRO	BHTP	BHTQ	BHTR	BHTS	TOTAL	MEAN
Nematoda	11	48	47	50	22	59	24	41	82	31	49	31	797	36.1*
Harpacticoida	1		2	2			1		2	2			52	2.4*
Kinorhyncha		1		2					1				25	1.1*
Ostracoda			4				1	1	1			1	9	0.4*
Halacaridae			1	1		5	2	3	1	1	5	2	34	1.6*
Nauplii				1		2		1	2		1		33	1.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	12	49	54	56	22	66	28	46	89	34	55	34	(950)	(43.1)*
Mean True Meio.		46.5*				44.1*				57.1*				
Foraminifera	5		3	6	12	59	2		4	13	20	7	421	19.1*
Protozoa													0	0
Polychaeta				5		2	3		1	1	1		29	1.3*
Bivalvia				1				1					6	0.3*
Gastropoda													0	0
Peracarid Crust										1			1	0.1*
Temporary Others													0	0
TOTAL	17	49	57	68	34	127	33	47	94	49	76	41	(1407)	(63.8)*
MEAN TOTAL		52.0*				65.6*				70.7*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL TRANSECT II

STATION NUMBER	1				2				3			
TAXA	BPQC	BPQD	BPQE	BPQF	BPSD	BPSE	BPSF	BPSG	BPUW	BPUX	BPUY	BPUZ
Nematoda	8	8	6	9	110	52	28	76	8	23	22	25
Harpacticoida	2	1	1	2	2	4	2	3		1	1	5
Kinorhyncha					1	2	2					2
Ostracoda												
Halacaridae				4		1			1			1
Nauplii		5		10	3		14		2	2	7	7
Turbellaria												
True Other												
True Meio. Total	10	14	7	25	116	59	46	79	11	26	30	40
Mean True Meio.		15.2*				81.6*				29.1*		
Foraminifera	7	9	9	12	69	3	10	2	1	3		4
Protozoa												
Polychaeta	2				5	6		1	2		2	5
Bivalvia												
Gastropoda					1	1						
Peracarid Crust										3	1	
Temporary Others												
TOTAL	19	23	16	37	191	69	56	82	14	32	33	49
MEAN TOTAL		25.8*				108.3*				34.8*		

STATION NUMBER	4				5				6					
TAXA	BPXC	BPXD	BPXE	BPXF	BPZB	BPZC	BPZD	BPZE	BQBA	BQBB	BQBC	BQBD	TOTAL	MEAN
Nematoda	75	43	72	14	63	16	12	10	10	3	25	18	736	33.4*
Harpacticoida	3				1	7			4	1	5	4	49	2.2*
Kinorhyncha		1											8	0.4*
Ostracoda							1	1					2	0.1*
Halacaridae			4		6	1		3					21	0.9*
Nauplii			2	2	21		3	7	17			4	106	4.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	78	44	78	16	91	24	16	21	31	4	30	26	(922)	(41.8)*
Mean True Meio.		58.8*				41.4*				24.8*				
Foraminifera	3		17	2	62	2	4	4	2	1	4		230	10.4*
Protozoa													0	0
Polychaeta		2	1		5	1	3						35	1.6*
Bivalvia									1				1	0.1*
Gastropoda						1							3	0.1*
Peracarid Crust													4	0.2*
Temporary Others													0	0
TOTAL	81	46	96	18	158	28	23	25	34	5	34	26	(1195)	(54.2)*
MEAN TOTAL		65.6*				63.7*				26.9*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - MARCH TRANSECT II

STATION NUMBER	1				2				3			
TAXA	BDOM	BDON	BDOO	BDOP	BDPC	BDPD	BDPE	BDPF	BDPS	BDPT	BDPU	BDPV
Nematoda	266	474	111	200	85	98	136	27	18	5	13	27
Harpacticoida	36	18	2	10	4		4	2				
Kinorhyncha	11	3		1								
Ostracoda					1					1		
Halacaridae		1				1						
Nauplii	15	9		1								
Turbellaria												
True Other												
True Meio. Total	328	505	113	212	90	99	140	29	18	6	13	27
Mean True Meio.		315.1*				97.4*				17.4*		
Foraminifera	9	55	9	112	3	1	18	23	8			2
Protozoa												
Polychaeta	8	2	2	3		2	10	1				
Bivalvia		1										
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	345	563	124	327	93	102	168	53	26	6	13	29
MEAN TOTAL		369.8*				113.2*				20.1*		

STATION NUMBER	4				5				6					
TAXA	BDQL	BDQM	BDQN	BDQO	BDQT	BDQU	BDQV	BDQW	BDRB	BDRC	BDRD	BDRE	TOTAL	MEAN
Nematoda	45	260	152	168	39	51	30	72	17	26	10	28	2358	106.9*
Harpacticoida	3	14	2	11					1				107	4.8*
Kinorhyncha	2	6	1	2									26	1.2*
Ostracoda		2											4	0.2*
Halacaridae					1			2			1		6	0.3*
Nauplii		6	2	6									39	1.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	50	288	157	187	40	51	30	74	18	26	11	28	(2540)	(115.2)*
Mean True Meio.		185.6*				53.1*				22.6*				
Foraminifera	3	35	25	13	9		1	29					355	16.1*
Protozoa													0	0
Polychaeta	4	9	2	11		1	1	3					59	2.7*
Bivalvia		1											2	0.1*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	57	333	184	211	49	52	32	106	18	26	11	28	(2956)	(134.1)*
MEAN TOTAL		213.6*				65.0*				22.6*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - APRIL TRANSECT II

STATION NUMBER	1					2			3			
TAXA	BGKF	BGKG	BGKH	BGKI	BGKW	BGKX	BGKY	BGKZ	BGLN	BGLO	BGLP	BGLQ
Nematoda	428	398	86	28	44	45	88	11	8	2	9	12
Harpacticoida	33	17	9	1	7		2	2	1	1		
Kinorhyncha	19	9	3									
Ostracoda											1	1
Halacaridae	1				2							
Nauplii	26	11	33	11		10	4	2	9		2	1
Turbellaria												
True Other												
True Meio. Total	507	435	131	40	53	55	94	15	18	3	12	14
Mean True Meio.		302.9*				59.1*				12.8*		
Foraminifera	280	168	107	37	5	63		22	3	11	3	1
Protozoa												
Polychaeta	19	5	7	2	4	1	3	1	1			
Bivalvia						1			1	1		
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	806	608	245	79	62	120	97	38	23	15	15	15
MEAN TOTAL		473.0*				86.3*				18.5*		

STATION NUMBER	4					5			6					
TAXA	BGME	BGMF	BGMG	BGMH	BGMM	BGMN	BGMO	BGMP	BGMU	BGMV	BGMW	BGMX	TOTAL	MEAN
Nematoda	23	33	19	18	2	36	6	9	63	74	56	166	1664	75.5*
Harpacticoida			1			4	2	6	2	8	7	23	126	5.7*
Kinorhyncha												2	33	1.5*
Ostracoda			1						1	1			5	0.2*
Halacaridae													3	0.1*
Nauplii	1	5	1		1		2	2	2	1		3	127	5.8*
Turbellaria										1			1	0.1*
True Other													0	0
True Meio. Total	24	38	22	18	3	40	10	17	68	85	63	194	(1959)	(88.9)*
Mean True Meio.		27.8*				19.0*				111.6*				
Foraminifera	3	9	5	22		2	1	11	10	4	2	32	801	36.3*
Protozoa													0	0
Polychaeta	4	1	2	2	1	3			6	1		6	69	3.1*
Bivalvia		1				1							5	0.2*
Gastropoda							1						1	0.1*
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	31	49	29	42	4	46	12	28	84	90	65	232	(2835)	(128.6)*
MEAN TOTAL		41.1*				24.5*				128.2*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - JULY TRANSECT II

STATION NUMBER	1				2				3			
TAXA	BLJT	BLJU	BLJV	BLJW	BLKK	BLKL	BLKM	BLKN	BLLB	BLLC	BLLD	BLLE
Nematoda	229	73	120	80	50	14	26	18	20	32	21	23
Harpacticoida	6	4	12	6	3	2	2	1		3	4	1
Kinorhyncha		2	5	2								
Ostracoda												
Halacaridae												
Nauplii			3	2	2				2	1		
Turbellaria												
True Other												
True Meio. Total	235	79	140	90	55	16	28	19	22	36	25	24
Mean True Meio.		148.0*				32.1*				29.1*		
Foraminifera	4	36	52	39	6	6	4	3	4		6	3
Protozoa												
Polychaeta	14	8	2	3	4	2	1				3	1
Bivalvia	2				1					3	1	
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	255	123	194	132	66	24	33	22	26	39	35	28
MEAN TOTAL		191.6*				39.5*				34.8*		

STATION NUMBER	4				5				6					
TAXA	BLLS	BLLT	BLLU	BLLV	BLMA	BLMB	BLMC	BLMD	BLMI	BLMJ	BLMK	BLML	TOTAL	MEAN
Nematoda	1	6	7	6	29	43	41	51	49	63	68	64	1134	51.4*
Harpacticoida				2	1		1		2		1		51	2.3*
Kinorhyncha													9	0.4*
Ostracoda													0	0
Halacaridae	1		1				1		1	2	1	3	10	0.5*
Nauplii											2		12	0.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	2	6	8	8	30	43	43	51	52	65	72	67	(1216)	(55.1)*
Mean True Meio.		6.5*				45.4*				69.7*				
Foraminifera				2	2		5		1	4	2	4	183	8.3*
Protozoa													0	0
Polychaeta					1		4	1	1	2	5		52	2.4*
Bivalvia									3		1	5	16	0.7*
Gastropoda												1	1	0.1*
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	2	6	8	10	33	43	52	52	57	71	80	77	(1468)	(66.6)*
MEAN TOTAL		7.1*				49.0*				77.6*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - AUGUST TRANSECT II

STATION NUMBER	1				2				3			
TAXA	BMVQ	BMVR	BMVS	BMVT	BMWH	BMWI	BMWJ	BMWK	BMWY	BMWZ	BMXA	BMXB
Nematoda	330	336	219	389	67	76	85	114	12	14	14	8
Harpacticoida	34	5	3	11	4	1	3	21	1	1	1	3
Kinorhyncha	5		2	2	1							
Ostracoda									1			
Halacaridae	1			4					1			2
Nauplii				6	3		1	1		1	1	
Turbellaria												
True Other												
True Meio. Total	370	341	224	412	75	77	89	136	15	16	16	13
Mean True Meio.		366.6*				102.6*				16.3*		
Foraminifera	11	60	57	133	12	5	47	24		10		
Protozoa												
Polychaeta		4	1	2	7	8	21	9	1		5	1
Bivalvia		1						1				
Gastropoda				1								
Peracarid Crust												
Temporary Others												
TOTAL	381	406	282	548	94	90	157	170	16	26	21	14
MEAN TOTAL		440.1*				139.1*				21.0*		

STATION NUMBER	4				5				6					
TAXA	BMXP	BMXQ	BMXR	BMXS	BMXX	BMXY	BMXZ	BMYA*	BMYF	BMYG	BMYH	BMYI	TOTAL	MEAN
Nematoda	15	36	8	55	53	47	67	---	68	73	50	62	2198	104.0*
Harpacticoida	1		2	3	2	1	2	---	1	1	1	1	103	4.9*
Kinorhyncha								---		1			11	0.5*
Ostracoda							1	---				1	3	0.1*
Halacaridae								---	2	1	1		12	0.6*
Nauplii			1					---	2		1		17	0.8*
Turbellaria								---					0	0
True Other								---					0	0
True Meio. Total	16	36	11	58	55	48	70	---	73	76	53	64	(2344)	(110.9)*
Mean True Meio.		32.9*				62.8*				72.4*				
Foraminifera				6	5	4		---		3	1	3	381	18.0*
Protozoa								---					0	0
Polychaeta		4	5	14	2			---	3	1		3	91	4.3*
Bivalvia								---					2	0.1*
Gastropoda							1	---					2	0.1*
Peracarid Crust								---					0	0
Temporary Others								---					0	0
TOTAL	16	40	16	78	62	52	71	---	76	80	54	70	(2820)	(133.5)*
MEAN TOTAL		40.8*				66.4*				76.2*				

*Sample lost in shipment.
*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - NOVEMBER TRANSECT II

STATION NUMBER	1				2				3			
TAXA	BSSB	BSSC	BSSD	BSSE	BSSS	BSST	BSSU	BSSV	BSTJ	BSTK	BSTL	BSTM
Nematoda	45	11	12	22	39	22	32	78	36	29	8	72
Harpacticoida	1			2			1	1	3			7
Kinorhyncha						1						1
Ostracoda												
Halacaridae												1
Nauplii			2	1		1					2	6
Turbellaria												
True Other												
True Meio. Total	46	11	14	25	39	24	33	79	39	29	10	87
Mean True Meio.		26.1*				47.6*				44.9*		
Foraminifera		5	10	5	41		9	17	20	4		9
Protozoa												
Polychaeta							4	3	1		1	4
Bivalvia												
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	46	16	24	30	80	24	46	99	60	33	11	100
MEAN TOTAL		31.6*				67.8*				55.5*		

STATION NUMBER	4				5				6					
TAXA	BSUA	BSUB	BSUC	BSUD	BSUI	BSUJ	BSUK	BSUL	BSUQ	BSUR	BSUS	BSUT	TOTAL	MEAN
Nematoda	32	6	105	329	6	7	4	9	24	13	29	8	978	44.4*
Harpacticoida	1		1			1					1		19	0.9*
Kinorhyncha			1										3	0.1*
Ostracoda													0	0
Halacaridae			1						2				4	0.2*
Nauplii	1					2					3		18	0.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	34	6	108	329	6	10	4	9	26	13	33	8	(1022)	(46.6)*
Mean True Meio.		129.8*				7.9*				21.8*				
Foraminifera			10	5		1		5	1	1	2	5	150	6.8*
Protozoa													0	0
Polychaeta	2			12	1	1			1	3	2	1	36	1.6*
Bivalvia				3									3	0.1*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others				1									1	0.1*
TOTAL	36	6	118	350	7	12	4	14	28	17	37	14	(1212)	(55.0)*
MEAN TOTAL		138.8*				10.1*				26.1*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - DECEMBER TRANSECT II

STATION NUMBER	1					2			3			
TAXA	BUEF	BUEG	BUEH	BUEI	BUEW	BUEX	BUEY	BUEZ	BUFO	BUFP	BUFQ	BUFR
Nematoda	44	62	43	112	17	20	10	2	8	4	17	12
Harpacticoida		1		2				1			1	
Kinorhyncha	1											
Ostracoda									1			
Halacaridae	1	1							1			
Nauplii				1			3		7		2	4
Turbellaria												
True Other												
True Meio. Total	46	64	43	115	17	20	13	3	17	4	20	16
Mean True Meio.		72.9*				14.4*				15.5*		
Foraminifera	4	5		20		1		1			5	3
Protozoa												
Polychaeta	2	1	1	4	1	2					1	1
Bivalvia						1						
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	52	70	44	139	18	24	13	4	17	4	26	20
MEAN TOTAL		83.0*				16.1*				18.2*		

STATION NUMBER	4					5			6					
TAXA	BUGF	BUGG	BUGH	BUGI	BUGN	BUGO	BUGP	BUGQ	BUGV	BUGW	BUGX	BUGY	TOTAL	MEAN
Nematoda	37	52	120	33	46	20	18	10	8	14	2	50	761	34.5*
Harpacticoida				1	1					1			8	0.4*
Kinorhyncha	1			1	2								5	0.2*
Ostracoda					1								2	0.1*
Halacaridae							1	2			1		7	0.3*
Nauplii					4		3	1	1	9		5	40	1.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	38	52	120	35	54	20	22	13	9	24	3	55	(823)	(37.3)*
Mean True Meio.		66.7*				29.7*				24.8*				
Foraminifera	1			9	16		6	2	1			6	80	3.6*
Protozoa													0	0
Polychaeta	5	2	3		2			2			1		28	1.3*
Bivalvia					1					1			3	0.1*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	44	54	123	44	73	20	28	17	10	25	4	61	(934)	(42.4)*
MEAN TOTAL		72.1*				37.6*				27.2*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - WINTER TRANSECT III

STATION NUMBER	1				2				3			
TAXA	BBJQ	BBJR	BBJS	BBJT	BBLU	BBLV	BBLW	BBLX	BBNY	BBNZ	BBOA	BBOB
Nematoda	109	250	55	79	20	19	11	21	19	49	12	123
Harpacticoida	1	8	1	2	2	2	3	1	3	1		2
Kinorhyncha		2										
Ostracoda												
Halacaridae									2	2	3	2
Nauplii	1	6		1	1	2	1	1		1		
Turbellaria								1				
True Other												
True Meio. Total	111	266	56	82	23	23	15	24	24	53	15	127
Mean True Meio.		140.2*				23.1*				59.6*		
Foraminifera	1	64	2	2	1					17	2	8
Protozoa												
Polychaeta		1	1			1			3	4		3
Bivalvia		1						1				
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	112	332	59	84	24	24	15	25	27	74	17	138
MEAN TOTAL		159.7*				23.9*				69.7*		

STATION NUMBER	4				5				6					
TAXA	BBPQ	BBPR	BBPS	BBPT	BBQZ	BBRA	BBRB	BBRC	BBSI	BBSJ	BBSK	BBSL	TOTAL	MEAN
Nematoda	1189	1314	1680	887	94	63	42	117	15	5	12	7	6192	280.9*
Harpactidoida	5	8	34	2	7	1	2	2	1	1			89	4.0*
Kinorhyncha	1												3	0.1*
Ostracoda			3			1							4	0.2*
Halacraidae				1									10	0.4*
Nauplii	2		3	1									20	0.9*
Turbellaria													1	0.1*
True Other													0	0
True Meio. Total	1197	1322	1720	891	101	65	44	119	16	6	12	7	(6319)	(286.6)*
Mean True Meio.		1396.1*				89.5*				11.2*				
Foraminifera	63	123	90	80	8	21	8	43	6	1	2		542	24.6*
Protozoa													0	0
Polychaeta	16	19	54	24	3	5		4		2			140	6.4*
Bivalvia	1	1	1	1							1		7	0.3*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	1277	1465	1865	996	112	91	52	166	22	9	15	7	(7008)	(317.9)*
MEAN TOTAL		1524.8*				114.6*				14.4*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING TRANSECT III

STATION NUMBER	1				2				3			
TAXA	BHVP	BHVQ	BHVR	BHVS	BHXP	BHXQ	BHXR	BHXS	BHZP	BHZQ	BHZR	BHZS
Nematoda	17	11	46	14	48	87	107	98	23	11	172	50
Harpacticoida	2	2	2	3	1		1				9	
Kinorhyncha												1
Ostracoda						2						
Halacaridae	1	1		4	1	1			3			1
Nauplii		3	1	1							2	
Turbellaria										1		
True Other												
True Meio. Total	20	17	49	22	50	90	108	98	26	12	183	52
Mean True Meio.		29.4*				94.2*				74.3*		
Foraminifera	1	1	15	51	4	4	7	14	1		23	14
Protozoa												
Polychaeta		2	3	2		6	1				5	4
Bivalvia												
Gastropoda								1				
Peracarid Crust												
Temporary Others			1									
TOTAL	21	20	68	75	54	100	116	113	27	12	211	70
MEAN TOTAL		50.1*				104.2*				87.1*		

STATION NUMBER	4				5				6					
TAXA	BIBP	BIBQ	BIBR	BIBS	BIDH	BIDI	BIDJ	BIDK	BIEZ	BIFA	BIFB	BIFC	TOTAL	MEAN
Nematoda	702	1145	1069	698	5	1	8	18	6	20	22	15	4393	199.2*
Harpacticoida	23	60	27	20			1	2	1		3		157	7.1*
Kinorhyncha		1	1	1									4	0.2*
Ostracoda		3	1	1					1				8	0.4*
Halacaridae				1	1							1	15	0.7*
Nauplii		17	1	7						1	1		34	1.5*
Turbellaria													1	0.1*
True Other													0	0
True Meio. Total	725	1226	1099	728	6	1	9	20	8	21	26	16	(4612)	(209.2)*
Mean True Meio.		1028.2*				9.8*				22.0*				
Foraminifera	20	434	62	38	2	16	118		1		8	5	839	38.1*
Protozoa													0	0
Polychaeta	13	57	36	14	6			1		5		1	156	7.1*
Bivalvia	13	41	18	3									75	3.4*
Gastropoda													1	0.1*
Peracarid Crust													0	0
Temporary Others													1	0.1*
TOTAL	771	1758	1215	783	14	17	127	21	9	26	34	22	(5684)	(257.8)*
MEAN TOTAL		1232.0*				48.7*				24.8*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL TRANSECT III

STATION NUMBER	1				2				3			
TAXA	BQDB	BQDC	BQDD	BQDE	BQFF	BQFG	BQFH	BQFI	BQHL	BQHM	BQHN	BQHO
Nematoda	5	16	40	15	23	37	37	17	25	32	8	28
Harpacticoida	1		2	2								
Kinorhyncha												
Ostracoda							1					
Halacaridae			4									
Nauplii	1			9			1					
Turbellaria												
True Other												
True Meio. Total	7	16	46	26	23	37	39	17	25	32	8	28
Mean True Meio.		25.9*				31.6*				25.3*		
Foraminifera	17	1	31	5		3	3	1	1	1	3	
Protozoa												
Polychaeta	1		1		1	1		5		3	1	1
Bivalvia										1		
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	25	17	78	31	24	41	42	23	26	37	12	29
MEAN TOTAL		41.1*				35.4*				28.3*		

STATION NUMBER	4				5				6					
TAXA	BQJN	BQJO	BQJP	BQJQ	BQLD	BQLE	BQLF	BQLG	BQMT	BQMU	BQMV	BQMW	TOTAL	MEAN
Nematoda	1357	493	623	510	11	30	29	10	1	11	6	8	3372	152.9*
Harpacticoida	128	26	59	24		1		1				1	245	11.1*
Kinorhyncha	1			2									3	0.1*
Ostracoda	2			1						1			5	0.2*
Halacaridae						2							6	0.3*
Nauplii	77		19	12	2						1		122	5.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	1565	519	701	549	13	33	29	11	1	12	7	9	(3753)	(170.2)*
Mean True Meio.		907.3*				23.4*				7.9*				
Foraminifera	233	48	13	78	3	13	8		1	2			465	21.1*
Protozoa													0	0
Polychaeta	45	24	30	15		3	1		1	2			135	6.1*
Bivalvia	10	1	3	2									17	0.8*
Gastropoda	6	1											7	0.3*
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	1859	593	747	644	16	49	38	11	3	16	7	9	(4377)	(198.5)*
MEAN TOTAL		1045.8*				31.0*				9.5*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - WINTER TRANSECT IV

STATION NUMBER	1					2				3			4			
TAXA	BBTR	BBTS	BBTT	BBTU	BBWA	BBWB	BBWC	BBWD	BBYF	BBYG	BBYH	BBYI	BCAI	BCAJ	BCAK	BCAL
Nematoda	379	214	333	630	42	85	70	61	125	39	150	103	846	525	1120	1479
Harpacticoida	10	2	25	16	7	5	4	3	5	1	30	11	27	27	24	42
Kinorhyncha	7		2	4				1	1	1	6	4	4	1	5	
Ostracoda			1						1		3	2	4		1	3
Halacaridae											5			1	1	
Nauplii	2		8	6							7	1		1		2
Turbellaria																
True Other																
True Meio.Total	398	216	369	656	49	90	74	65	132	41	201	121	881	555	1151	1526
Mean True Meio.		418.8*				75.7*				134.7*				1119.3*		
Foraminifera	99	61	83	271	12	19	11	9	17	1	7	7	21	23	254	86
Protozoa																
Polychaeta	16	11	15	46		7	4	2	4	1	17	6	22	9	27	40
Bivalvia			2	3							1		4	3	4	6
Gastropoda																
Peracarid Crust			1						1			1	1			
Temporary Others																
TOTAL	513	288	470	976	61	116	89	76	154	43	226	135	929	590	1436	1658
MEAN TOTAL		611.5*				93.1*				151.9*				1255.4*		

STATION NUMBER	5					6				7				
TAXA	BCCD	BCCE	BCCF	BCCG	BCDY	BCDZ	BCEA	BCEB	BCFU	BCFV	BCFW	BCFX	TOTAL	MEAN
Nematoda	7	28	47	4	235	123	251	343	17	5	19	4	7284	283.2*
Harpacticoida	1	4	7			1	1	4	1	1			259	10.1*
Kinorhyncha	2					2		1		1		1	43	1.7*
Ostracoda			2										17	0.7*
Halacaridae													7	0.3*
Nauplii									2	1			30	1.2*
Turbellaria													0	0
True Other													0	0
True Meio. Total	10	32	56	4	235	126	252	348	20	8	19	5	(7640)	(297.0)*
Mean True Meio.		27.8*				261.5*				14.1*				
Foraminifera	2	8	38	6	81	46	62	180	5	2			1411	54.9*
Protozoa													0	0
Polychaeta	1		3	4	5	1	3	12					256	9.9*
Bivalvia						2		2					27	1.0*
Gastropoda													0	0
Peracarid Crust													4	0.2*
Temporary Others													0	0
TOTAL	13	40	97	14	321	175	317	542	25	10	19	5	(9338)	(363.0)*
MEAN TOTAL		44.6*				368.8*				16.1*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING TRANSECT IV

STATION NUMBER	1				2				3				4			
TAXA	BIGP	BIGQ	BIGR	BIGS	BIIP	BIIQ	BIIR	BIIS	BIKS	BIKT	BIKU	BIKV	BIMQ	BIMR	BIMS	BIMT
Nematoda	400	335	617	1229	36	78	19	47	89	47	88	164	1539	1028	309	708
Harpacticoida	7	6	1	23	1	1	1	2	1	4	2	6	32	9	4	10
Kinorhyncha	5	1		8									1			
Ostracoda			2	2					1				1			1
Halacaridae	1		1	2		5		1	1	2		1	15	2		1
Nauplii			2		3	5	3	6		3		1	14	1		2
Turbellaria												2				
True Other																
True Meio.Total	413	342	623	1264	40	89	23	56	92	56	90	174	1602	1040	313	722
Mean True Meio.		719.0*				56.6*				112.1*				1000.7*		
Foraminifera	27	29	123	43	21	4	9	5	14	15	12	29	107	16	106	42
Protozoa																
Polychaeta	23	22	58	72	3	1		1	9	1	4	10	40	39	11	6
Bivalvia	6	1	9	6					3				35	20	4	7
Gastropoda															1	1
Peracarid Crust												1				1
Temporary Others																
TOTAL	469	394	813	1385	64	94	32	62	118	72	106	214	1784	1115	435	779
MEAN TOTAL		833.0*				68.6*				138.8*				1173.8*		

STATION NUMBER	5				6				7					
TAXA	BIOH	BIOI	BIOJ	BIOK	BIPV	BIPW	BIPX	BIPY	BIRM	BIRN	BIRO	BIRP	TOTAL	MEAN
Nematoda	237	463	130	524	135	52	176	148	75	11	12	56	8752	240.3*
Harpacticoida	3	13	1	4	1	2	1	2	1		2	4	144	5.6*
Kinorhyncha		4		1		1					1	1	23	0.9*
Ostracoda													7	0.3*
Halacaridae	2	3		3	2	2				1		2	47	1.8*
Nauplii		2		1	4		7		1				55	2.1*
Turbellaria													2	0.1*
True Other													0	0
True Meio.Total	242	485	131	533	142	57	184	150	77	12	15	63	(9030)	(351.1)*
Mean True Meio.		347.8*				145.1*				45.4*				
Foraminifera	41	204	11	219	9		9	9	14			3	1121	43.6*
Protozoa													0	0
Polychaeta	15	28	9	27	3	1	2	4	3		2	5	399	15.5*
Bivalvia	1	1			1		2						96	3.7*
Gastropoda													2	0.1*
Peracarid Crust													2	0.1*
Temporary Others													0	0
TOTAL	299	718	151	779	155	58	197	163	94	12	17	71	(10650)	(414.0)*
MEAN TOTAL		421.0*				155.9*				52.8*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL TRANSECT IV

STATION NUMBER	1					2				3			4			
TAXA	BQOJ	BQOK	BQOL	BQOM	BQON	BQOO	BQOP	BQOQ	BQSQ	BQSR	BQSS	BQST	BQUU	BQUV	BQUW	BQUX
Nematoda	209	690	498	783	52	44	64	17	16	27	10	6	327	771	174	189
Harpacticoida			2	6	3	1	1		1	1		3	6	6		2
Kinorhyncha																
Ostracoda	1		2											2		
Halacaridae	1					2		1					7	7		7
Nauplii		1		1		1								7		
Turbellaria																
True Other																
True Meio.Total	211	691	502	790	55	48	65	18	17	28	10	9	340	793	174	198
Mean True Meio.		597.1*				50.6*				17.4*				409.6*		
Foraminifera	6	286	36	208	10	4	40	4	1	2	1	8	23	222	69	60
Protozoa																
Polychaeta	4	15	24	46	3	4	3	2	3		6	1	4	16		4
Bivalvia			2										2			
Gastropoda																
Peracarid Crust																
Temporary Others																
TOTAL	221	992	564	1044	68	56	108	24	21	30	17	18	369	1031	243	262
MEAN TOTAL		767.7*				69.7*				23.4*				518.4*		

STATION NUMBER	5					6				7				
TAXA	BQWK	BQWL	BQWM	BQWN	BQYA	BQTB	BQYC	BQYD	BQZQ	BQZR	BQZS	BQZT	TOTAL	MEAN
Nematoda	46	23	40	10	24	83	30	54	28	110	25	139	4489	174.5*
Harpacticoida			2		3				1	4	3	11	56	2.2*
Kinorhyncha					2	1						2	5	0.2*
Ostracoda		1										1	7	0.3*
Halacaridae								1	1				27	1.0*
Nauplii						1	1					2	14	0.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	46	24	42	10	29	85	31	55	30	114	28	155	(4598)	(178.8)*
Mean True Meio.		33.2*				54.4*				89.0*				
Foraminifera	21	1	2		7	32	2	14	16	24	33	41	1173	45.6*
Protozoa													0	0
Polychaeta	3	2	4	1	1	4	2	2	1	2	2	4	163	6.3*
Bivalvia				1								1	6	0.3*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	70	27	48	12	37	121	35	71	47	140	63	201	(5940)	(230.9)*
MEAN TOTAL		42.7*				71.8*				122.7*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - WINTER HOSPITAL ROCK AND SOUTHERN BANK

STATION NUMBER	HR2				HR4					
TAXA	BDAE	BDAF	BDAG	BDAH	BDBH	BDBI	BDBJ	BDBK	TOTAL	MEAN
Nematoda	79	41	68	46	182	138	79	208	841	114.4*
Harpacticoida			4	5	28	16	13	17	83	11.3*
Kinorhyncha			1		3	5			9	1.2*
Ostracoda			1	1	7	1	1	1	12	1.6*
Halacaridae									0	0
Nauplii	2	3	2	3	15	5	3	2	35	4.8*
Turbellaria									0	0
True Other									0	0
True Meio. Total	81	44	76	55	235	165	96	228	(980)	(133.4)*
Mean True Meio.		69.7*				197.0*				
Foraminifera		7	5	8	231	119	183	122	675	91.8*
Protozoa									0	0
Polychaeta	7	4	4	2	18	9	12	3	59	8.0*
Bivalvia				1	1		1		3	0.4*
Gastropoda									0	0
Peracarid Crust						1			1	0.1*
Temporary Others		1			2	1	1	1	6	0.8*
TOTAL	88	56	85	66	487	295	293	354	(1724)	(234.6)*
MEAN TOTAL		80.3*				388.9*				

STATION NUMBER	SB2				SB4					
TAXA	BCXY	BCXZ	BCYA	BCYB	BCZB	BCZC	BCZD	BCZE	TOTAL	MEAN
Nematoda	47	16	15	6	98	26	58	60	326	44.4*
Harpacticoida	8	2			22	1	22		55	7.5*
Kinorhyncha	1							1	2	0.3*
Ostracoda									0	0
Halacaridae						2			2	0.3*
Nauplii		4		1	18	1		1	25	3.4*
Turbellaria									0	0
True Other									0	0
True Meio. Total	56	22	15	7	138	30	80	62	(410)	(55.8)*
Mean True Meio.		27.2*				84.4*				
Foraminifera	16	12	10	3	16				57	7.8*
Protozoa									0	0
Polychaeta	4		2		9	1	1		17	2.3*
Bivalvia									0	0
Gastropoda									0	0
Peracarid Crust									0	0
Temporary Others									0	0
TOTAL	76	34	27	10	163	31	81	62	(484)	(65.9)*
MEAN TOTAL		40.6*				91.7*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING HOSPITAL ROCK AND SOUTHERN BANK

STATION NUMBER	HR2				HR4					
TAXA	BIVJ	BIVK	BIVL	BIVM	BIWM	BIWN	BIWO	BIWP	TOTAL	MEAN
Nematoda	74	57	45	96	158	145	28	21	624	84.9*
Harpacticoida	4			1	11	8	5		29	3.9*
Kinorhyncha					1	1			2	0.3*
Ostracoda									0	0
Halacaridae		2	1		6	8	7	3	27	3.7*
Nauplii	2	2				2	1		7	0.9*
Turbellaria									0	0
True Other									0	0
True Meio. Total	80	61	46	97	176	164	41	24	(689)	(93.7)*
Mean True Meio.		77.3*				110.2*				
Foraminifera	16	17	5	15	144	28	13		238	32.4*
Protozoa									0	0
Polychaeta	2	1	2	6		1	4	5	21	2.9*
Bivalvia									0	0
Gastropoda									0	0
Peracarid Crust					1				1	0.1*
Temporary Others					1				1	0.1*
TOTAL	98	79	53	118	322	193	58	29	(950)	(129.3)*
MEAN TOTAL		94.7*				163.8*				

STATION NUMBER	SB2				SB4					
TAXA	BITD	BITE	BITF	BITG	BIUG	BIUH	BIUI	BIUJ	TOTAL	MEAN
Nematoda	27	10	23	38	129	90	26	14	357	48.6*
Harpacticoida		4	3	5	11	8	1	3	35	4.8*
Kinorhyncha					8	2			10	1.4*
Ostracoda					1				1	0.1*
Halacaridae	2	4	6			3	1	3	19	2.6*
Nauplii				1	2		1		4	0.5*
Turbellaria									0	0
True Other									0	0
True Meio. Total	29	18	32	44	151	103	29	20	(426)	(58.0)*
Mean True Meio.		33.5*				82.5*				
Foraminifera	11		5	5	48	22	8	15	114	15.5*
Protozoa									0	0
Polychaeta	1				8	5	1	1	16	2.2*
Bivalvia									0	0
Gastropoda									0	0
Peracarid Crust					1				1	0.1*
Temporary Others									0	0
TOTAL	41	18	37	49	208	130	38	36	(557)	(75.8)*
MEAN TOTAL		39.5*				112.1*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL HOSPITAL ROCK AND SOUTHERN BANK

STATION NUMBER	HR2				HR4					
TAXA	BPLQ	BPLR	BPLS	BPLT	BPMT	BPMU	BPMV	BPMW	TOTAL	MEAN
Nematoda	29	32	73	74	10	10	13	10	251	34.2*
Harpacticoida	3	2		3	1	2	1	1	13	1.8*
Kinorhyncha									0	0
Ostracoda									0	0
Halacaridae	4				6				10	1.4*
Nauplii	23	2	3	7	14	24		13	86	11.7*
Turbellaria									0	0
True Other									0	0
True Meio. Total	59	36	76	84	31	36	14	24	(360)	(49.0)*
Mean True Meio.		69.4*				28.6*				
Foraminifera	4	2	1	9	17	30		2	65	8.8*
Protozoa									0	0
Polychaeta	2	1	2	1			1		7	1.0*
Bivalvia	1								1	0.1*
Gastropoda									0	0
Peracarid Crust									0	0
Temporary Others									0	0
TOTAL	66	39	79	94	48	66	15	26	(433)	(58.9)*
MEAN TOTAL		75.7*				42.2*				

STATION NUMBER	SB2				SB4					
TAXA	BPNW	BPNX	BPNY	BPNZ	BPOZ	BPPA	BPPB	BPPC	TOTAL	MEAN
Nematoda	20	23	25	39	2	1	1	22	133	18.1*
Harpacticoida			1	2		1			4	0.5*
Kinorhyncha								1	1	0.1*
Ostracoda									0	0
Halacaridae			18					3	21	2.9*
Nauplii	5	23	28		8	1	3	14	82	11.2*
Turbellaria									0	0
True Other									0	0
True Meio. Total	25	46	72	41	10	3	4	40	(241)	(32.8)*
Mean True Meio.		50.1*				15.5*				
Foraminifera	6	2	3			2	1	10	24	3.3*
Protozoa									0	0
Polychaeta		1	1			1		1	4	0.5*
Bivalvia		1							1	0.1*
Gastropoda									0	0
Peracarid Crust							1		1	0.1*
Temporary Others									0	0
TOTAL	31	50	76	41	10	6	6	51	(271)	(36.9)*
MEAN TOTAL		53.9*				19.9*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm^2.

APPENDIX P

BENTHIC INVERTEBRATES: MACROINFAUNA AND EPIFAUNA

List of Tables

Table		Page
1	List of Macroinfaunal Species and Their Abundances for Each Replicate Grab. Species are Ranked by Abundance.	P-2
2	List of Invertebrate Epifaunal Species and Their Abundances for Each Trawl Collection. Species are Ranked by Abundance.	P-145

TABLE 1

LIST OF MACROINFAUNAL SPECIES AND THEIR ABUNDANCES
FOR EACH REPLICATE GRAB.
SPECIES ARE RANKED BY ABUNDANCE

Explanation of Table:

First Column of Numbers denotes rank (species ranked by total abundance in all six replicates)

Third through Eighth Column denotes replicate grab numbers (1 through six) and number of individuals per replicate

TOTAL ABUNDANCE - total number of individuals in all six replicates
TOTAL OCCURRENCE - total number of replicates in which the species occurred
PERCENT - the total abundance of a species divided by the total abundance of all species expressed as percent
ACC PCT - Accumulative Percent
STD - Standard Deviation
95 PCT CONF LIM - 95 Percent Confidence Limits

DIVERSITY - Shannon-Wiener diversity index
PIE - Hurlbert's Probability of Interspecific Encounter
EQUITABILITY - Lloyd and Ghelardi's measure of evenness

STATION 1 TRANSECT I PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	MAGELONA PHYLLISAE	32		46	36	17	44	175	5	22.18	22.18	29.17	17.646	10.65	47.69
2	PARAPRIONOSPIO PINNATA	31	34	26	8	11	34	144	6	18.25	40.43	24.00	11.645	11.78	36.22
3	SIPUNCULA	5	7	14	4	15	5	50	6	6.34	46.77	8.33	4.885	3.21	13.46
4	MAGELONA LONGICORNIS		42		1		1	44	3	5.58	52.34	7.33	16.990	-10.50	25.17
5	VITRINELLA FLORIDANA	2	33	3	3			41	4	5.20	57.54	6.83	12.891	-6.70	20.36
6	MEDIOMASTUS CALIFORNIENSIS	3	11	10	3	7	6	40	6	5.07	62.61	6.67	3.386	3.11	10.22
7	PHOTIS MACROMANUS	4	9	26		1		40	4	5.07	67.68	6.67	10.073	-3.91	17.24
8	COSSURA DELTA	3	9	6	5	4	7	34	6	4.31	71.99	5.67	2.160	3.40	7.93
9	NEPHTYS INCISA	7	3	5	3	3	2	23	6	2.92	74.90	3.83	1.835	1.91	5.76
10	ASYCHIS SP		5	4	6	3	4	22	5	2.79	77.69	3.67	2.066	1.50	5.83
11	NATICA CANRENA	4	7	3	3	1	2	20	6	2.53	80.23	3.33	2.066	1.17	5.50
12	NEMERTINEA	1	2	3	8	3	1	18	6	2.28	82.51	3.00	2.608	.26	5.74
13	LUMBRINERIS PARVAPEDATA	1	2	3	3	1	3	13	6	1.65	84.16	2.17	.983	1.13	3.20
14	ARMANDIA MACULATA	2		2	3		3	10	4	1.27	85.42	1.67	1.366	.23	3.10
15	MAGELONA ROSEA	1	1	5		1	1	9	5	1.14	86.57	1.50	1.761	-.35	3.35
16	PHORONIDA						8	8	1	1.01	87.58	1.33	3.266	-2.09	4.76
17	SIGAMBRA TENTACULATA		2	2	1	3		8	4	1.01	88.59	1.33	1.211	.06	2.60
18	SPIONIDAE			1		4		5	2	.63	89.23	.83	1.602	-.85	2.51
19	ERIOPISA SPB		4					4	1	.51	89.73	.67	1.633	-1.05	2.38
20	STHENELAIS BOA			1		2	1	4	3	.51	90.24	.67	.816	-.19	1.52
21	NINOE NIGRIPES	2	1		1			4	3	.51	90.75	.67	.816	-.19	1.52
22	ANCISTROSYLLIS JONESI		2	2				4	2	.51	91.25	.67	1.033	-.42	1.75
23	ARICIDEA JEFFREYSII		1		2			3	2	.38	91.63	.50	.837	-.38	1.38
24	POLYDORA LIGNI			3				3	1	.38	92.02	.50	1.225	-.79	1.79
25	NUCULANA CONCENTRICA	1	2					3	2	.38	92.40	.50	.837	-.38	1.38
26	AMPELISCA SPB	1		1			1	3	3	.38	92.78	.50	.548	-.07	1.07
27	LISTRIELLA BARNARDI		1			1		2	2	.25	93.03	.33	.516	-.21	.88
28	ZOANTHARIA	1				1		2	2	.25	93.28	.33	.516	-.21	.88
29	POLYCHAETE SPA			1			1	2	2	.25	93.54	.33	.516	-.21	.88
30	CHASMOCARCINUS MISSISSIPPIENSIS	1		1				2	2	.25	93.79	.33	.516	-.21	.88
31	CLYMENELLA TORQUATA			1			1	2	2	.25	94.04	.33	.516	-.21	.88
32	DIOPATRA TRIDENTATA			1		1		2	2	.25	94.30	.33	.516	-.21	.88
33	DIOPATRA CUPREA			1		1		2	2	.25	94.55	.33	.516	-.21	.88
34	PALEANOTUS HETEROSETA	1			1			2	2	.25	94.80	.33	.516	-.21	.88
35	PARAONIS GRACILIS				1		1	2	2	.25	95.06	.33	.516	-.21	.88
36	AMPELISCA AGASSIZI	1		1				2	2	.25	95.31	.33	.516	-.21	.88
37	DIASTYLIS SP					2		2	1	.25	95.56	.33	.816	-.52	1.19
38	GYPTIS VITTATA					1	1	2	2	.25	95.82	.33	.516	-.21	.88
39	MALDANIDAE		1	1				2	2	.25	96.07	.33	.516	-.21	.88
40	NOTOMASTUS CF LATERICEUS	1					1	2	2	.25	96.32	.33	.516	-.21	.88
41	PHYLLODOCE MUCOSA	1						1	1	.13	96.45	.17	.408	-.26	.60
42	AMPELISCA ABDITA				1			1	1	.13	96.58	.17	.408	-.26	.60
43	THARYX ANNULOSUS						1	1	1	.13	96.70	.17	.408	-.26	.60
44	ASYCHIS ELONGATA	1						1	1	.13	96.83	.17	.408	-.26	.60
45	MELANELLIDAE					1		1	1	.13	96.96	.17	.408	-.26	.60
46	SIGAMBRA SP	1						1	1	.13	97.08	.17	.408	-.26	.60
47	TEREBRIDAE						1	1	1	.13	97.21	.17	.408	-.26	.60
48	PILARGIS BERKELYAE				1			1	1	.13	97.34	.17	.408	-.26	.60
49	NEREIS LAMELLOSA				1			1	1	.13	97.47	.17	.408	-.26	.60
50	TELLINIDAE						1	1	1	.13	97.59	.17	.408	-.26	.60
51	ABRA AEQUALIS				1			1	1	.13	97.72	.17	.408	-.26	.60
52	NEREID(NICON) SPA			1				1	1	.13	97.85	.17	.408	-.26	.60
53	OPHIUROIDEA			1				1	1	.13	97.97	.17	.408	-.26	.60
54	TURBONILLA PORTORICANA				1			1	1	.13	98.10	.17	.408	-.26	.60

55	PERIPLOMA OBICULARE					1		1	1	.13	98.23	.17	.408	-.26	.60
56	NUCULA PROXIMA		1					1	1	.13	98.35	.17	.408	-.26	.60
57	LUMBRINERIS TENUIS	1						1	1	.13	98.48	.17	.408	-.26	.60
58	CORBULA SWIFTIANA				1			1	1	.13	98.61	.17	.408	-.26	.60
59	CIRRATULIDAE			1				1	1	.13	98.73	.17	.408	-.26	.60
60	LICHUMOLGIDAE						1	1	1	.13	98.86	.17	.408	-.26	.60
61	DIOPATRA CF NEOTRIDENS				1			1	1	.13	98.99	.17	.408	-.26	.60
62	AMPHARETE ACUTIFRONS			1				1	1	.13	99.11	.17	.408	-.26	.60
63	ONUPHIS SPA				1			1	1	.13	99.24	.17	.408	-.26	.60
64	THARYX MARIONI						1	1	1	.13	99.37	.17	.408	-.26	.60
65	ALPHEUS SP					1		1	1	.13	99.49	.17	.408	-.26	.60
66	HEMICYCLOPS SP						1	1	1	.13	99.62	.17	.408	-.26	.60
67	PINNOTHERIDAE	1						1	1	.13	99.75	.17	.408	-.26	.60
68	SCHISTOMERINGOS RUDOLPHI					1		1	1	.13	99.87	.17	.408	-.26	.60
69	TURBONILLA SP				1			1	1	.13	100.00	.17	.408	-.26	.60

NO. OF SPECIES	26	22	31	27	25	27	
NO. OF INDIVIDUALS	110	180	177	101	87	134	789

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	1	69	789	4.1944	.8979	.4058

STATION 2 TRANSECT I PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	ASYCHIS SP		99	15	20	37	143	314	5	47.01	47.01	52.33	56.234	-6.69	111.36
2	ASYCHIS ELONGATA	14	36	14	14	12	3	93	6	13.92	60.93	15.50	10.913	4.05	26.95
3	PARAONIS SPA	16	6	1	4	15	10	52	6	7.78	68.71	8.67	6.055	2.31	15.02
4	PARAPRIONOSPIO PINNATA	1	10			8		19	3	2.84	71.56	3.17	4.579	-1.64	7.97
5	LUMBRINERIS PARVAPEDATA	7	3	3	2	2		17	5	2.54	74.10	2.83	2.317	.40	5.26
6	PARAONIS GRACILIS	2	4	3	1	4	2	16	6	2.40	76.50	2.67	1.211	1.40	3.94
7	MAGELONA LONGICORNIS	1	6	2	3	1	2	15	6	2.25	78.74	2.50	1.871	.54	4.46
8	NEREID(NICON) SPA	3	4	3	3			13	4	1.95	80.69	2.17	1.722	.36	3.97
9	NEMERTINEA		3	4	1	4		12	4	1.80	82.49	2.00	1.897	.01	3.99
10	CUSSURA DELTA	1	3	3	1	1	1	10	6	1.50	83.98	1.67	1.033	.58	2.75
11	AMPELISCA ABDITA	2	4	3		1		10	4	1.50	85.48	1.67	1.633	-.05	3.38
12	MAGELONA ROSEA	3	1	2	4			10	4	1.50	86.98	1.67	1.633	-.05	3.38
13	NOTOMASTUS CF LATERICEUS	2	1	1		2	3	9	5	1.35	88.32	1.50	1.049	.40	2.60
14	NEPHTYS INCISA	1	1	1	3			6	4	.90	89.22	1.00	1.095	-.15	2.15
15	NEPHTYIDAE	1		4				5	2	.75	89.97	.83	1.602	-.85	2.51
16	CHASMOCARCINUS MISSISSIPPIENSIS		1		1	2		4	3	.60	90.57	.67	.816	-.19	1.52
17	THARYX MARIONI		4					4	1	.60	91.17	.67	1.633	-1.05	2.38
18	AMPELISCA VERRILLI		1	1		1		3	3	.45	91.62	.50	.548	-.07	1.07
19	MEDIOMASTUS CALIFORNIENSIS			1		2		3	2	.45	92.07	.50	.837	-.38	1.38
20	PARAONIDES LYRA			3				3	1	.45	92.51	.50	1.225	-.79	1.79
21	SIGAMBRA TENTACULATA		1			2		3	2	.45	92.96	.50	.837	-.38	1.38
22	OWENIA FUSIFORMIS	1	1	1				3	3	.45	93.41	.50	.548	-.07	1.07
23	PINNOTHERIDAE	1			1			2	2	.30	93.71	.33	.516	-.21	.88
24	CORBULA SWIFTIANA	1	1					2	2	.30	94.01	.33	.516	-.21	.88
25	ARABELLA MUTANS			1			1	2	2	.30	94.31	.33	.516	-.21	.88
26	LISTRIELLA SPA	2						2	1	.30	94.61	.33	.816	-.52	1.19
27	OPHIOGLYCERA CF DISTORTA	1	1					2	2	.30	94.91	.33	.516	-.21	.88
28	AEDICIRA BELGICAE					1	1	2	2	.30	95.21	.33	.516	-.21	.88
29	ARICIDEA WASSI		1			1		2	2	.30	95.51	.33	.516	-.21	.88
30	MALACOCEROS SP		1			1		2	2	.30	95.81	.33	.516	-.21	.88
31	SIPUNCULA	2						2	1	.30	96.11	.33	.816	-.52	1.19
32	ARMANDIA MACULATA			1				1	1	.15	96.26	.17	.408	-.26	.60
33	NOTOMASTUS CF AMERICANUS			1				1	1	.15	96.41	.17	.408	-.26	.60
34	POLYDORA CF HARTMANAE	1						1	1	.15	96.56	.17	.408	-.26	.60
35	TEREBELLIDAE	1						1	1	.15	96.71	.17	.408	-.26	.60
36	SPIONIDAE			1				1	1	.15	96.86	.17	.408	-.26	.60
37	PARAONIDAE		1					1	1	.15	97.01	.17	.408	-.26	.60
38	OPHIUROIDEA			1				1	1	.15	97.16	.17	.408	-.26	.60
39	AMPELISCA AGASSIZI				1			1	1	.15	97.31	.17	.408	-.26	.60
40	DRILONEREIS MAGNA					1		1	1	.15	97.46	.17	.408	-.26	.60
41	VITRINELLA FLORIDANA				1			1	1	.15	97.60	.17	.408	-.26	.60
42	APSEUDES SPA					1		1	1	.15	97.75	.17	.408	-.26	.60
43	KALLIAPSEUDES SPA			1				1	1	.15	97.90	.17	.408	-.26	.60
44	AUTOMATE EVERMANNI					1		1	1	.15	98.05	.17	.408	-.26	.60
45	ECHINODERMATA				1			1	1	.15	98.20	.17	.408	-.26	.60
46	PHYLLODOCE MUCOSA			1				1	1	.15	98.35	.17	.408	-.26	.60
47	DIOPATRA TRIDENTATA						1	1	1	.15	98.50	.17	.408	-.26	.60
48	SYNCHELIDIUM CF AMERICANUM		1					1	1	.15	98.65	.17	.408	-.26	.60
49	ANOPLODACTYLUS PETIOLATUS	1						1	1	.15	98.80	.17	.408	-.26	.60
50	EUDORELLA MONODON		1					1	1	.15	98.95	.17	.408	-.26	.60
51	EPHESIELLA CF MIXTA			1				1	1	.15	99.10	.17	.408	-.26	.60
52	PRIONOSPIO STEENSTRUPI		1					1	1	.15	99.25	.17	.408	-.26	.60
53	VOLVULELLA TEXASIANA		1					1	1	.15	99.40	.17	.408	-.26	.60
54	OPHIODROMUS OBSCURUS					1		1	1	.15	99.55	.17	.408	-.26	.60

55	HIPPOMEDON CF SERRATUS		1					1	1	.15	99.70	.17	.408	-.26	.60
56	ANADARA TRANSVERSA					1		1	1	.15	99.85	.17	.408	-.26	.60
57	CIRROPHORUS LYRIFORMIS					1		1	1	.15	100.00	.17	.408	-.26	.60

NO. OF SPECIES	22	29	26	16	24	10	
NO. OF INDIVIDUALS	65	199	73	61	103	167	668

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	I	57	668	3.2722	.7502	.2456

STATION 3 TRANSECT I PERIOD 77WINTER

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 PARAONIS GRACILIS	4	3	1	13		2	23	5	7.10	7.10	3.83	4.708	-1.11	8.78
2 SIPUNCULA	2	3	2	7	2	2	18	6	5.56	12.65	3.00	2.000	.90	5.10
3 DENTALIUM SOWERBYI	5	4		5	1	1	16	5	4.94	17.59	2.67	2.251	.30	5.03
4 SIGAMBRA TENTACULATA	3	5	3	2	1		14	5	4.32	21.91	2.33	1.751	.50	4.17
5 ALTERNOCHELATA SPA	1	4	2	3		3	13	5	4.01	25.93	2.17	1.472	.62	3.71
6 COSSURA DELTA	3	1	1	2		3	10	5	3.09	29.01	1.67	1.211	.40	2.94
7 THARYX MARIONI	4			3	3		10	3	3.09	32.10	1.67	1.862	-.29	3.62
8 NEMERTINEA		2	1	1	1	4	9	5	2.78	34.88	1.50	1.378	.05	2.95
9 THYASIRA PYGMAEA	1	3	1	3		1	9	5	2.78	37.65	1.50	1.225	.21	2.79
10 PARAPRIONOSPIO PINNATA	1	1		4	2		8	4	2.47	40.12	1.33	1.506	-.25	2.91
11 PITAR CORDATUS	1	4	1		1	1	8	5	2.47	42.59	1.33	1.366	-.10	2.77
12 NEPHTYIDAE	2			2	2	2	8	4	2.47	45.06	1.33	1.033	.25	2.42
13 SARSIELLA CF GREYI	2	1	1	2	1		7	5	2.16	47.22	1.17	.753	.38	1.96
14 PARALACYDONIA PARADOXA		2	1	1		3	7	4	2.16	49.38	1.17	1.169	-.06	2.39
15 THARYX ANNULOSUS		2		4	1		7	3	2.16	51.54	1.17	1.602	-.51	2.85
16 PARAONIS SPA		4		1	2		7	3	2.16	53.70	1.17	1.602	-.51	2.85
17 STERNASPIS SCUTATA	1	1	1	1	2		6	5	1.85	55.56	1.00	.632	.34	1.66
18 SCUTOPUS SPA	2	2	1	1			6	4	1.85	57.41	1.00	.894	.06	1.94
19 HETEROPHOXUS CF OCULATUS	1		1		2	1	5	4	1.54	58.95	.83	.753	.04	1.62
20 CYCLOCARDIA ARMILLA	1			1	2	1	5	4	1.54	60.49	.83	.753	.04	1.62
21 LEPTOCHELIA SP	3		1				4	2	1.23	61.73	.67	1.211	-.60	1.94
22 ARMANDIA MACULATA			3	1			4	2	1.23	62.96	.67	1.211	-.60	1.94
23 ABRA AEQUALIS			1		3		4	2	1.23	64.20	.67	1.211	-.60	1.94
24 TEREBELLIDES STROEMII	1	1	1			1	4	4	1.23	65.43	.67	.516	.12	1.21
25 TETRAGONODON SPA	1	1	1			1	4	4	1.23	66.67	.67	.516	.12	1.21
26 AGLAOPHAMUS CIRCINATA	2	1				1	4	3	1.23	67.90	.67	.816	-.19	1.52
27 NINOE NIGRIPES			1	2		1	4	3	1.23	69.14	.67	.816	-.19	1.52
28 NOTOMASTUS AMERICANUS	2		1				3	2	.93	70.06	.50	.837	-.38	1.38
29 AMPHARETIDAE				1	1	1	3	3	.93	70.99	.50	.548	-.07	1.07
30 AMPELISCA SPA	1	1		1			3	3	.93	71.91	.50	.548	-.07	1.07
31 HARBANSUS PAUCICHELATUS				1		2	3	2	.93	72.84	.50	.837	-.38	1.38
32 XENANTHURA BREVITELSON	1				2		3	2	.93	73.77	.50	.837	-.38	1.38
33 MEDIOMASTUS CALIFORNIENSIS		1		2			3	2	.93	74.69	.50	.837	-.38	1.38
34 NEPHTYS INCISA		2	1				3	2	.93	75.62	.50	.837	-.38	1.38
35 ANOMALOCARDIA AUBERIANA		2				1	3	2	.93	76.54	.50	.837	-.38	1.38
36 NUCULANA ACUTA		1	2				3	2	.93	77.47	.50	.837	-.38	1.38
37 LUMBRINERIS ALBIDENTATA	1		1				2	2	.62	78.09	.33	.516	-.21	.88
38 TANAID SPF				2			2	1	.62	78.70	.33	.816	-.52	1.19
39 CAPITELLA CAPITATA				2			2	1	.62	79.32	.33	.816	-.52	1.19
40 PHILOMEDES SPA			1	1			2	2	.62	79.94	.33	.516	-.21	.88
41 GLYCERA TESSELATA				2			2	1	.62	80.56	.33	.816	-.52	1.19
42 BYBLIS CF AFFINIS	1	1					2	2	.62	81.17	.33	.516	-.21	.88
43 SPIOCHAETOPTERUS COSTARUM	1		1				2	2	.62	81.79	.33	.516	-.21	.88
44 SPIONIDAE	1				1		2	2	.62	82.41	.33	.516	-.21	.88
45 SPIOPHANES LONGICIRRUS	1	1					2	2	.62	83.02	.33	.516	-.21	.88
46 GONIADA NORVEGICA					2		2	1	.62	83.64	.33	.816	-.52	1.19
47 TANAID SPK	2						2	1	.62	84.26	.33	.816	-.52	1.19
48 TANAID SPA						2	2	1	.62	84.88	.33	.816	-.52	1.19
49 PISTA CRISTATA		1				1	2	2	.62	85.49	.33	.516	-.21	.88
50 FALCIDENS SPA				1	1		2	2	.62	86.11	.33	.516	-.21	.88
51 ONUPHIDAE		1		1			2	2	.62	86.73	.33	.516	-.21	.88
52 LUMBRINERIS PARVAPEDATA		2					2	1	.62	87.35	.33	.816	-.52	1.19
53 CUMACEAN		1				1	2	2	.62	87.96	.33	.516	-.21	.88
54 HIPPOMEDON CF SERRATUS		2					2	1	.62	88.58	.33	.816	-.52	1.19

55 PAGURUS HULLISI							1	1	1	.31	88.89	.17	.408	-.26	.60
56 PINOMIS EROCA						1		1	1	.31	89.20	.17	.408	-.26	.60
57 AMAEANA TRILOBATA	1							1	1	.31	89.51	.17	.408	-.26	.60
58 OSTRACOD SPY		1						1	1	.31	89.81	.17	.408	-.26	.60
59 PARAONIDES LYRA			1					1	1	.31	90.12	.17	.408	-.26	.60
60 ANTHURID SPB			1					1	1	.31	90.43	.17	.408	-.26	.60
61 SYLLIS SPC				1				1	1	.31	90.74	.17	.408	-.26	.60
62 BRYOZOA						1		1	1	.31	91.05	.17	.408	-.26	.60
63 PROCHAETODERMA SPA	1							1	1	.31	91.36	.17	.408	-.26	.60
64 CIRROPHORUS BRANCHIATUS				1				1	1	.31	91.67	.17	.408	-.26	.60
65 CALOCARIS OXYPLEURA				1				1	1	.31	91.98	.17	.408	-.26	.60
66 TELLINA VERSICOLOR			1					1	1	.31	92.28	.17	.408	-.26	.60
67 ACANTHOCARPUS ALEXANDRI						1		1	1	.31	92.59	.17	.408	-.26	.60
68 NUCULANA PLATESSA	1							1	1	.31	92.90	.17	.408	-.26	.60
69 TEREBELLIDAE						1		1	1	.31	93.21	.17	.408	-.26	.60
70 POLYDORA CF SOCIALIS							1	1	1	.31	93.52	.17	.408	-.26	.60
71 YOLDIA SOLENOIDES							1	1	1	.31	93.83	.17	.408	-.26	.60
72 ONUPHIS SPD		1						1	1	.31	94.14	.17	.408	-.26	.60
73 OSTRACOD SPAA							1	1	1	.31	94.44	.17	.408	-.26	.60
74 OPHIUROIDEA		1						1	1	.31	94.75	.17	.408	-.26	.60
75 CIRRATULID-B		1						1	1	.31	95.06	.17	.408	-.26	.60
76 TURRIDAE						1		1	1	.31	95.37	.17	.408	-.26	.60
77 OWENIA FUSIFORMIS			1					1	1	.31	95.68	.17	.408	-.26	.60
78 PARAMEKODON SP	1							1	1	.31	95.99	.17	.408	-.26	.60
79 ANTHURID SPH		1						1	1	.31	96.30	.17	.408	-.26	.60
80 GNATHIA SP		1						1	1	.31	96.60	.17	.408	-.26	.60
81 POECILOCHAETUS JOHNSONI	1							1	1	.31	96.91	.17	.408	-.26	.60
82 SOLENOCERA VIOSCAI	1							1	1	.31	97.22	.17	.408	-.26	.60
83 GONIADA MACULATA	1							1	1	.31	97.53	.17	.408	-.26	.60
84 THYASIRA SPA	1							1	1	.31	97.84	.17	.408	-.26	.60
85 SYLLIDAE	1							1	1	.31	98.15	.17	.408	-.26	.60
86 ARICIDEA JEFFREYSII			1					1	1	.31	98.46	.17	.408	-.26	.60
87 SERPULIDAE	1							1	1	.31	98.77	.17	.408	-.26	.60
88 OSTRACOD SPOO						1		1	1	.31	99.07	.17	.408	-.26	.60
89 DIPLODONTA SPA				1				1	1	.31	99.38	.17	.408	-.26	.60
90 CERATOCEPHALE OCULATA			1					1	1	.31	99.69	.17	.408	-.26	.60
91 SIGALIONIDAE	1							1	1	.31	100.00	.17	.408	-.26	.60
NO. OF SPECIES	40	37	31	34	26	26									
NO. OF INDIVIDUALS	63	67	38	77	39	40	324								

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	I	91	324	5.8568	.9778	.9670

STATION 4 TRANSECT I PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	MAGELONA PHYLLISAE	75	126	104	140	163	98	706	6	30.92	30.92	117.67	31.678	84.42	150.92
2	MEDIOMASTUS CALIFORNIENSIS	29	50		43	16	103	241	5	10.56	41.48	40.17	35.707	2.69	77.64
3	SIPUNCULA	32	56	4	44	74	17	227	6	9.94	51.42	37.83	25.647	10.91	64.75
4	LUMBRINERIS PARVAPEDATA	56	30	21	27	46	32	212	6	9.29	60.71	35.33	13.079	21.61	49.06
5	NEMERTINEA	7	96		13	6	7	129	5	5.65	66.36	21.50	36.730	-17.05	60.05
6	PARAPRIONOSPIO PINNATA	22	34	3	13	24	26	122	6	5.34	71.70	20.33	10.857	8.94	31.73
7	NEREID(NICON) SPA	16	21	9	3	13	1	63	6	2.76	74.46	10.50	7.688	2.43	18.57
8	POLYCHAETE SPA	7	12		30		8	57	4	2.50	76.96	9.50	11.095	-2.15	21.15
9	ASYCHIS SP	15		11	2	7	1	36	5	1.58	78.54	6.00	6.066	-.37	12.37
10	OXYUROSTYLIS SP	9	6		1	6	9	31	5	1.36	79.89	5.17	3.869	1.11	9.23
11	AGLAOPHAMUS VERRILLI	2	5	6		13	1	27	5	1.18	81.08	4.50	4.764	-.50	9.50
12	AGLAOPHAMUS CIRCINATA	2	23		1			26	3	1.14	82.22	4.33	9.180	-5.30	13.97
13	MAGELONA PETTIBONEAE	10	2		4	2	8	26	5	1.14	83.36	4.33	3.882	.26	8.41
14	PARAONIDES LYRA	1	1		15	1	8	26	5	1.14	84.49	4.33	5.989	-1.95	10.62
15	ARICIDEA JEFFREYSII	2	8		3	1	10	24	5	1.05	85.55	4.00	4.050	-.25	8.25
16	MALDANIDAE	7	3		1		11	22	4	.96	86.51	3.67	4.457	-1.01	8.34
17	LUMBRINERIS TENUIS	5	6		7		1	19	4	.83	87.34	3.17	3.189	-.18	6.51
18	CORBULA SWIFTIANA	1	6			6	4	17	4	.74	88.09	2.83	2.858	-.17	5.83
19	MAGELONA ROSEA	2		1	1	4	5	13	5	.57	88.66	2.17	1.941	.13	4.20
20	AMPHARETE AMERICANA	4	1		1	4	3	13	5	.57	89.22	2.17	1.722	.36	3.97
21	PARAONIDAE			1	10	1		12	3	.53	89.75	2.00	3.950	-2.15	6.15
22	COSSURA DELTA		4			4	2	10	3	.44	90.19	1.67	1.966	-.40	3.73
23	ARICIDEA TAYLORI	2	1		5	1	1	10	5	.44	90.63	1.67	1.751	-.17	3.50
24	AMPELISCA SPB	2		1	2	1	3	9	5	.39	91.02	1.50	1.049	.40	2.60
25	PARAONIS GRACILIS	2			3		3	8	3	.35	91.37	1.33	1.506	-.25	2.91
26	SPIONIDAE	2			5	1		8	3	.35	91.72	1.33	1.966	-.73	3.40
27	DIPLODONTA CF SOROR	3	1	1		2	1	8	5	.35	92.07	1.33	1.033	.25	2.42
28	SIGAMBRA TENTACULATA	3	3				2	8	3	.35	92.42	1.33	1.506	-.25	2.91
29	GLYCERA CAPITATA	3	4		1			8	3	.35	92.77	1.33	1.751	-.50	3.17
30	LUMBRINERIS SP			3	4			7	2	.31	93.08	1.17	1.835	-.76	3.09
31	ARMANDIA MACULATA	3	3			1		7	3	.31	93.39	1.17	1.472	-.38	2.71
32	NATICA CANRENA	2		2			3	7	3	.31	93.69	1.17	1.329	-.23	2.56
33	ARICIDEA WASSI	1	2	1		1	2	7	5	.31	94.00	1.17	.753	.38	1.96
34	NEPHTYIDAE	2			3	1		6	3	.26	94.26	1.00	1.265	-.33	2.33
35	PINNOTHERIDAE	3		1	1	1		6	4	.26	94.52	1.00	1.095	-.15	2.15
36	OPHIUROIDEA		2	2		1	1	6	4	.26	94.79	1.00	.894	.06	1.94
37	PHORONIDA			1		1	3	5	3	.22	95.01	.83	1.169	-.39	2.06
38	TELLINIDAE	3			1	1		5	3	.22	95.23	.83	1.169	-.39	2.06
39	SCOLOPLOS RUBRA	3			1	1		5	3	.22	95.44	.83	1.169	-.39	2.06
40	OWENIA FUSIFORMIS		1	1		1	2	5	4	.22	95.66	.83	.753	.04	1.62
41	ZOANTHARIA	1			1	1	1	4	4	.18	95.84	.67	.516	.12	1.21
42	NEPHTYS INCISA						4	4	1	.18	96.01	.67	1.633	-1.05	2.38
43	AMPELISCA AGASSIZI	1				2	1	4	3	.18	96.19	.67	.816	-.19	1.52
44	DIOPATRA CUPREA	1			1	2		4	3	.18	96.36	.67	.816	-.19	1.52
45	ASYCHIS ELONGATA	1		3				4	2	.18	96.54	.67	1.211	-.60	1.94
46	ABRA AEQUALIS	1				2		3	2	.13	96.67	.50	.837	-.38	1.38
47	LUCINA AMIANTUS	2					1	3	2	.13	96.80	.50	.837	-.38	1.38
48	NUCULA PROXIMA	1	1	1				3	3	.13	96.93	.50	.548	-.07	1.07
49	AMPHARETIDAE		1		2			3	2	.13	97.07	.50	.837	-.38	1.38
50	AMPHARETE ACUTIFRONS		1				2	3	2	.13	97.20	.50	.837	-.38	1.38
51	MINUSPIO LONGIBRANCHIATA		3					3	1	.13	97.33	.50	1.225	-.79	1.79
52	SIMENELAIS BOA	1		1		1		3	3	.13	97.46	.50	.548	-.07	1.07
53	TELLINA VERSICOLOR		1	1			1	3	3	.13	97.59	.50	.548	-.07	1.07
54	NEPHTYS PICTA					2		2	1	.09	97.68	.33	.816	-.52	1.19

55	DIOPATRA CF NEOTRIDENS			1			1	2	2	.09	97.77	.33	.516	-.21	.88
56	NINOE NIGRIPES				1	1		2	2	.09	97.85	.33	.516	-.21	.88
57	PALEANOTUS HETEROSETA				1		1	2	2	.09	97.94	.33	.516	-.21	.88
58	THARYX ANGULOSUS				1	1		2	2	.09	98.03	.33	.516	-.21	.88
59	HEMICYCLOPS SP				2			2	1	.09	98.12	.33	.816	-.52	1.19
60	TORBONILLA PORTORICANA	1				1		2	2	.09	98.20	.33	.516	-.21	.88
61	AUTOMATE SP			2				2	1	.09	98.29	.33	.816	-.52	1.19
62	SPIOCHAETOPTERUS COSTARUM	2						2	1	.09	98.38	.33	.816	-.52	1.19
63	NOTOMASTUS CF LATERICEUS	1				1		2	2	.09	98.47	.33	.516	-.21	.88
64	SOLARIORBIS INFRACARINATA					1	1	2	2	.09	98.55	.33	.516	-.21	.88
65	CABIRA INCERTA		1				1	2	2	.09	98.64	.33	.516	-.21	.88
66	ANCISTROSYLLIS PAPILLOSA						2	2	1	.09	98.73	.33	.816	-.52	1.19
67	OPHELIIDAE				1			1	1	.04	98.77	.17	.408	-.26	.60
68	GLYCERA AMERICANA					1		1	1	.04	98.82	.17	.408	-.26	.60
69	SQUILLA EMPUSA		1					1	1	.04	98.86	.17	.408	-.26	.60
70	CERATOCEPHALE OCULATA					1		1	1	.04	98.90	.17	.408	-.26	.60
71	ONUPHIDAE						1	1	1	.04	98.95	.17	.408	-.26	.60
72	MALACOCEROS SP		1					1	1	.04	98.99	.17	.408	-.26	.60
73	CANTHARUS CANCELLARIA				1			1	1	.04	99.04	.17	.408	-.26	.60
74	EPITONIIDAE					1		1	1	.04	99.08	.17	.408	-.26	.60
75	TEREBELLIDES STROEMII					1		1	1	.04	99.12	.17	.408	-.26	.60
76	SPEOCARCINUS LOBATUS						1	1	1	.04	99.17	.17	.408	-.26	.60
77	PAGURIDAE	1						1	1	.04	99.21	.17	.408	-.26	.60
78	SIGALIONIDAE		1					1	1	.04	99.26	.17	.408	-.26	.60
79	GYPTIS VITTATA	1						1	1	.04	99.30	.17	.408	-.26	.60
80	CYCLOSTREMISCUS SPA		1					1	1	.04	99.34	.17	.408	-.26	.60
81	PARAONIS SPA					1		1	1	.04	99.39	.17	.408	-.26	.60
82	NUCULANA ACUTA				1			1	1	.04	99.43	.17	.408	-.26	.60
83	ACTINIARIA SPE					1		1	1	.04	99.47	.17	.408	-.26	.60
84	GLYCERA PAPILLOSA					1		1	1	.04	99.52	.17	.408	-.26	.60
85	MALACOCEROS VANDERHORSTI					1		1	1	.04	99.56	.17	.408	-.26	.60
86	PHOTIS MACROMANUS						1	1	1	.04	99.61	.17	.408	-.26	.60
87	ARICIDEA CF FRAGILIS				1			1	1	.04	99.65	.17	.408	-.26	.60
88	ANACHIS OBESA	1						1	1	.04	99.69	.17	.408	-.26	.60
89	MELINNA MACULATA		1					1	1	.04	99.74	.17	.408	-.26	.60
90	DIOGENIDAE			1				1	1	.04	99.78	.17	.408	-.26	.60
91	LYSIANASSID SPA		1					1	1	.04	99.82	.17	.408	-.26	.60
92	CAPRELLID		1					1	1	.04	99.87	.17	.408	-.26	.60
93	ACTINIARIA SPC			1				1	1	.04	99.91	.17	.408	-.26	.60
94	GLYCERA TESSELATA			1				1	1	.04	99.96	.17	.408	-.26	.60
95	OLIGOCHAETA	1						1	1	.04	100.00	.17	.408	-.26	.60

NO. OF SPECIES	49	40	27	40	50	44	
NO. OF INDIVIDUALS	355	522	185	398	428	395	2283

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	I	95	2283	4.0302	.8660	.2632

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	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAONIS SPA	5	6	10	5	1	11	38	6	10.61	10.61	6.33	3.670	2.48	10.19
2	PITAR CORDATUS	5		2	14	3	6	30	5	8.38	18.99	5.00	4.899	-.14	10.14
3	SIPUNCULA	7	3	6		1	3	20	5	5.59	24.58	3.33	2.733	.47	6.20
4	PARAPRIONOSPIO PINNATA	1		2	3	3	3	12	5	3.35	27.93	2.00	1.265	.67	3.33
5	SIGAMBRA TENTACULATA	2		3	1	1	4	11	5	3.07	31.01	1.83	1.472	.29	3.38
6	PARAONIS GRACILIS	1	1	2	3	3	1	11	6	3.07	34.08	1.83	.983	.80	2.87
7	MAGELONA LONGICORNIS	4	1	1	4		1	11	5	3.07	37.15	1.83	1.722	.03	3.64
8	COSSURA DELTA	2		1	1	2	2	8	5	2.23	39.39	1.33	.816	.48	2.19
9	CAPRELLID		2		4	2		8	3	2.23	41.62	1.33	1.633	-.38	3.05
10	LUMBRINERIS PARVAPEDATA			2	3		3	8	3	2.23	43.85	1.33	1.506	-.25	2.91
11	NEPHTYS INCISA	1			2	1	3	7	4	1.96	45.81	1.17	1.169	-.06	2.39
12	STERNASPIS SCUTATA	1	1	2	1	1		6	5	1.68	47.49	1.00	.632	.34	1.66
13	THARYX MARIONI		1				5	6	2	1.68	49.16	1.00	2.000	-1.10	3.10
14	PHORONIDA	1	1				4	6	3	1.68	50.84	1.00	1.549	-.63	2.63
15	SOLEMYA SPA	1		1	3		1	6	4	1.68	52.51	1.00	1.095	-.15	2.15
16	BRYOZOA	1	1	1	1		1	5	5	1.40	53.91	.83	.408	.40	1.26
17	DENTALIUM SOWERBYI	1			1	1	2	5	4	1.40	55.31	.83	.753	.04	1.62
18	SPIOPHANES SPA				3		2	5	2	1.40	56.70	.83	1.329	-.56	2.23
19	AMPHARETIDAE	1			1	1	2	5	4	1.40	58.10	.83	.753	.04	1.62
20	SABELLIDAE		1				4	5	2	1.40	59.50	.83	1.602	-.85	2.51
21	ANOPLODACTYLUS PETIOLATUS			2		1	1	4	3	1.12	60.61	.67	.816	-.19	1.52
22	BYBLIS CF AFFINIS	1		2	1			4	3	1.12	61.73	.67	.816	-.19	1.52
23	AMPHARETE PARVIDENTATA				2		2	4	2	1.12	62.85	.67	1.033	-.42	1.75
24	GLYCERA TESSELATA	2	1		1			4	3	1.12	63.97	.67	.816	-.19	1.52
25	SERPULIDAE			2	2			4	2	1.12	65.08	.67	1.033	-.42	1.75
26	SCUTOPUS SPA	1	1		1	1		4	4	1.12	66.20	.67	.516	.12	1.21
27	AMPELISCA VERRILLI	1		1		1		3	3	.84	67.04	.50	.548	-.07	1.07
28	SPHAEROSYLLIS CF SUBLAEVIS	1					2	3	2	.84	67.88	.50	.837	-.38	1.38
29	PARAONIDES LYRA				1	1	1	3	3	.84	68.72	.50	.548	-.07	1.07
30	NEPHTYIDAE		1	1			1	3	3	.84	69.55	.50	.548	-.07	1.07
31	CORBULA SWIFTIANA				2	1		3	2	.84	70.39	.50	.837	-.38	1.38
32	NEMERTINEA	1	1			1		3	3	.84	71.23	.50	.548	-.07	1.07
33	MEGALOMMA CF QUADRIOCULATUM	2					1	3	2	.84	72.07	.50	.837	-.38	1.38
34	SPIOCHAETOPTERUS COSTARUM						3	3	1	.84	72.91	.50	1.225	-.79	1.79
35	TRACHYPENAEUS SIMILIS	3						3	1	.84	73.74	.50	1.225	-.79	1.79
36	OSTRACOD SPD		1		1		1	3	3	.84	74.58	.50	.548	-.07	1.07
37	PALEANOTUS HETEROSETA			1			2	3	2	.84	75.42	.50	.837	-.38	1.38
38	PARAMPHINOME PULCHELLA	1		1				2	2	.56	75.98	.33	.516	-.21	.88
39	AMYGDALUM PAPYRIUM			1			1	2	2	.56	76.54	.33	.516	-.21	.88
40	ONUPHIDAE				1	1		2	2	.56	77.09	.33	.516	-.21	.88
41	PISTA CRISTATA				2			2	1	.56	77.65	.33	.816	-.52	1.19
42	MEDIOMASTUS CALIFORNIENSIS	1		1				2	2	.56	78.21	.33	.516	-.21	.88
43	EUDORELLA MONODON				1	1		2	2	.56	78.77	.33	.516	-.21	.88
44	EXOGONE DISPAR		1				1	2	2	.56	79.33	.33	.516	-.21	.88
45	FLABELLIGERIDAE		1				1	2	2	.56	79.89	.33	.516	-.21	.88
46	TEREBELLIDES STROEMII					1	1	2	2	.56	80.45	.33	.516	-.21	.88
47	OPHIUROIDEA					1	1	2	2	.56	81.01	.33	.516	-.21	.88
48	ARICIDEA NEOSUECICA	1		1				2	2	.56	81.56	.33	.516	-.21	.88
49	AMPELISCA SPA		1			1		2	2	.56	82.12	.33	.516	-.21	.88
50	SYNCHELIDIUM CF AMERICANUM		1		1			2	2	.56	82.68	.33	.516	-.21	.88
51	VENERIDAE	2						2	1	.56	83.24	.33	.816	-.52	1.19
52	MALDANIDAE			1	1			2	2	.56	83.80	.33	.516	-.21	.88
53	EPITONIIDAE	1			1			2	2	.56	84.36	.33	.516	-.21	.88
54	NINOE NIGRIPES			1		1		2	2	.56	84.92	.33	.516	-.21	.88

55	MARPHYSA SPA			1	1			2	2	.56	85.47	.33	.516	-.21	.88
56	SPIOPHANES SP			2				2	1	.56	86.03	.33	.816	-.52	1.19
57	THARYX ANNULOSUS			1	1			2	2	.56	86.59	.33	.516	-.21	.88
58	ASYCHIS SP		1					1	1	.28	86.87	.17	.408	-.26	.60
59	LEIOLAMBROS NITIDUS					1		1	1	.28	87.15	.17	.408	-.26	.60
60	PROCESSA SP	1						1	1	.28	87.43	.17	.408	-.26	.60
61	SPIOPHANES LONGICIRRUS		1					1	1	.28	87.71	.17	.408	-.26	.60
62	SICYONIA DORSALIS	1						1	1	.28	87.99	.17	.408	-.26	.60
63	THYASIRA PYGMAEA						1	1	1	.28	88.27	.17	.408	-.26	.60
64	NUCULANA ACUTA			1				1	1	.28	88.55	.17	.408	-.26	.60
65	BRANIA FURCELLIGERA		1					1	1	.28	88.83	.17	.408	-.26	.60
66	LYONSIA HYALINA FLORIDANA				1			1	1	.28	89.11	.17	.408	-.26	.60
67	NATICA SP						1	1	1	.28	89.39	.17	.408	-.26	.60
68	DENTALIUM TEXASIANUM				1			1	1	.28	89.66	.17	.408	-.26	.60
69	PANDORA SPA				1			1	1	.28	89.94	.17	.408	-.26	.60
70	HYALA SPA						1	1	1	.28	90.22	.17	.408	-.26	.60
71	NOTOMASTUS CF AMERICANUS	1						1	1	.28	90.50	.17	.408	-.26	.60
72	CHAETOZONE GAYHEADIA					1		1	1	.28	90.78	.17	.408	-.26	.60
73	LEPTOSTYLIS SP	1						1	1	.28	91.06	.17	.408	-.26	.60
74	CORYMORPHA PENDULA					1		1	1	.28	91.34	.17	.408	-.26	.60
75	ANADARA TRANSVERSA		1					1	1	.28	91.62	.17	.408	-.26	.60
76	TEREBRIDAE	1						1	1	.28	91.90	.17	.408	-.26	.60
77	MAGELONA PHYLLISAE	1						1	1	.28	92.18	.17	.408	-.26	.60
78	ACROCIRRIDAE						1	1	1	.28	92.46	.17	.408	-.26	.60
79	RINGICULA SEMISTRIATA						1	1	1	.28	92.74	.17	.408	-.26	.60
80	CHLOEIA VIRIDIS						1	1	1	.28	93.02	.17	.408	-.26	.60
81	GNATHIA SP						1	1	1	.28	93.30	.17	.408	-.26	.60
82	AUTOMATE SP					1		1	1	.28	93.58	.17	.408	-.26	.60
83	NOTOMASTUS LATERICEUS				1			1	1	.28	93.85	.17	.408	-.26	.60
84	POLYNOIDAE		1					1	1	.28	94.13	.17	.408	-.26	.60
85	COLLODES TRISPINOSUS	1						1	1	.28	94.41	.17	.408	-.26	.60
86	PLATYHELMINTHES						1	1	1	.28	94.69	.17	.408	-.26	.60
87	MEGALOMMA CF BIOCULATUM				1			1	1	.28	94.97	.17	.408	-.26	.60
88	MYTILIDAE				1			1	1	.28	95.25	.17	.408	-.26	.60
89	VERTICORDIA FISCHERIANA					1		1	1	.28	95.53	.17	.408	-.26	.60
90	ARICIDEA JEFFREYSII					1		1	1	.28	95.81	.17	.408	-.26	.60
91	CHASMOCARCINUS MISSISSIPPIENSIS						1	1	1	.28	96.09	.17	.408	-.26	.60
92	SARSIELLA GETTLESONI					1		1	1	.28	96.37	.17	.408	-.26	.60
93	OWENIA FUSIFORMIS				1			1	1	.28	96.65	.17	.408	-.26	.60
94	CUMACEAN SPG				1			1	1	.28	96.93	.17	.408	-.26	.60
95	ARMANDIA MACULATA			1				1	1	.28	97.21	.17	.408	-.26	.60
96	PARALACYDONIA PARADOXA			1				1	1	.28	97.49	.17	.408	-.26	.60
97	PARAONIDAE			1				1	1	.28	97.77	.17	.408	-.26	.60
98	MALACOCEROS SP				1			1	1	.28	98.04	.17	.408	-.26	.60
99	SPHAERODORIDIUM CLAPAREDII					1		1	1	.28	98.32	.17	.408	-.26	.60
100	AGLAOPHAMUS CIRCINATA						1	1	1	.28	98.60	.17	.408	-.26	.60
101	FINELLA DUBIA						1	1	1	.28	98.88	.17	.408	-.26	.60
102	NATICA CANRENA	1						1	1	.28	99.16	.17	.408	-.26	.60
103	SKOZSBERGIA CF LERNERI	1						1	1	.28	99.44	.17	.408	-.26	.60
104	MONOCULOIDES SPC				1			1	1	.28	99.72	.17	.408	-.26	.60
105	GONIADIDAE			1				1	1	.28	100.00	.17	.408	-.26	.60

NO. OF SPECIES	37	24	32	42	32	43
NO. OF INDIVIDUALS	61	32	57	80	40	68

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STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	105	358	5.8614	.9708	.8476

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	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIPUNCULA	5	9	6	11	3	9	43	6	11.65	11.65	7.17	2.994	4.02	10.31
2	DENTALIUM SOWERBYI		6	10	6	3	4	29	5	7.86	19.51	4.83	3.371	1.29	8.37
3	ALTERNOCHELATA SPA	2	7	4	4	1	4	22	6	5.96	25.47	3.67	2.066	1.50	5.83
4	SIGAMBRA TENTACULATA	2	5	5	1	4	3	20	6	5.42	30.89	3.33	1.633	1.62	5.05
5	PARAONIS GRACILIS	3	5	4		1	4	17	5	4.61	35.50	2.83	1.941	.80	4.87
6	COSSURA DELTA	6	1		1	3	3	14	5	3.79	39.30	2.33	2.160	.07	4.60
7	PARALACYDONIA PARADOXA	1	3	1	1	4	3	13	6	3.52	42.82	2.17	1.329	.77	3.56
8	THARYX MARIONI	3	5			1	4	13	4	3.52	46.34	2.17	2.137	-.08	4.41
9	PHORONIDA	1	3	1	2	2	3	12	6	3.25	49.59	2.00	.894	1.06	2.94
10	THARYX ANNULOSUS	4	1	5		1		11	4	2.98	52.57	1.83	2.137	-.41	4.08
11	AMPHARETE PARVIDENTATA		1	2	2		5	10	4	2.71	55.28	1.67	1.862	-.29	3.62
12	PARAPRIONOSPIO PINNATA		1	1		1	4	7	4	1.90	57.18	1.17	1.472	-.38	2.71
13	PARAONIS SPA		3	1		1	1	6	4	1.63	58.81	1.00	1.095	-.15	2.15
14	TEREBELLIDES STROEMII	1				1	4	6	3	1.63	60.43	1.00	1.549	-.63	2.63
15	SCOTOPUS SPA			1			5	6	2	1.63	62.06	1.00	2.000	-1.10	3.10
16	THYASIRA SPA	1	1				3	5	3	1.36	63.41	.83	1.169	-.39	2.06
17	NEMERTINEA	1		1	1	1		4	4	1.08	64.50	.67	.516	.12	1.21
18	ARICIDEA NEOSUECICA		1	1	1	1		4	4	1.08	65.58	.67	.516	.12	1.21
19	LUMBRINERIS PARVAPEDATA	1	1	1			1	4	4	1.08	66.67	.67	.516	.12	1.21
20	GLYCERA TESSELATA			1		1	2	4	3	1.08	67.75	.67	.816	-.19	1.52
21	PITAR CORDATUS			1			3	4	2	1.08	68.83	.67	1.211	-.60	1.94
22	ARMANDIA MACULATA		1			2	1	4	3	1.08	69.92	.67	.816	-.19	1.52
23	SPIONIDAE	2				1		3	2	.81	70.73	.50	.837	-.38	1.38
24	CHONE CF AMERICANA	1			2			3	2	.81	71.54	.50	.837	-.38	1.38
25	UNCIOLA SERRATA					2	1	3	2	.81	72.36	.50	.837	-.38	1.38
26	ANOPLODACTYLUS PETIOLATUS		1	2				3	2	.81	73.17	.50	.837	-.38	1.38
27	SPIOCHAETOPTERUS COSTARUM			1		1	1	3	3	.81	73.98	.50	.548	-.07	1.07
28	THYASIRA PYGMAEA	1				1	1	3	3	.81	74.80	.50	.548	-.07	1.07
29	SPHYRAPUS SPA						3	3	1	.81	75.61	.50	1.225	-.79	1.79
30	BYBLIS CF AFFINIS	1		1			1	3	3	.81	76.42	.50	.548	-.07	1.07
31	STERNASPIS SCUTATA		1			2		3	2	.81	77.24	.50	.837	-.38	1.38
32	SERPULIDAE		1		2			3	2	.81	78.05	.50	.837	-.38	1.38
33	AMYGDALUM PAPYRIUM			1		1	1	3	3	.81	78.86	.50	.548	-.07	1.07
34	NEPHTYS INCISA						2	2	1	.54	79.40	.33	.816	-.52	1.19
35	CIRRATULIDAE				2			2	1	.54	79.95	.33	.816	-.52	1.19
36	LOVENELLA GRANDIS				1	1		2	2	.54	80.49	.33	.516	-.21	.88
37	TANAID SPJ					1	1	2	2	.54	81.03	.33	.516	-.21	.88
38	CORBULA SWIFTIANA		2					2	1	.54	81.57	.33	.816	-.52	1.19
39	GONIADA MACULATA	2						2	1	.54	82.11	.33	.816	-.52	1.19
40	HETEROPHOXUS CF OCULATUS		2					2	1	.54	82.66	.33	.816	-.52	1.19
41	BRYOZOA	1					1	2	2	.54	83.20	.33	.516	-.21	.88
42	VERTICORDIA FISCHERIANA						2	2	1	.54	83.74	.33	.816	-.52	1.19
43	NOTOMASTUS CF LATERICEUS			1	1			2	2	.54	84.28	.33	.516	-.21	.88
44	AMPELISCA AGASSIZI						2	2	1	.54	84.82	.33	.816	-.52	1.19
45	SPIOPHANES SPA			1			1	2	2	.54	85.37	.33	.516	-.21	.88
46	ONUPHIS SPB	1					1	2	2	.54	85.91	.33	.516	-.21	.88
47	SYLLIS CF ANOPS			2				2	1	.54	86.45	.33	.816	-.52	1.19
48	TEREBELLIDAE	1				1		2	2	.54	86.99	.33	.516	-.21	.88
49	SABELLIDAE		1				1	2	2	.54	87.53	.33	.516	-.21	.88
50	MEGALOMMA CF QUADRIOCULATUM				1		1	2	2	.54	88.08	.33	.516	-.21	.88
51	PRIONOSPIO STEENSTRUPI	1		1				2	2	.54	88.62	.33	.516	-.21	.88
52	CIRROPHORUS BRANCHIATUS						1	1	1	.27	88.89	.17	.408	-.26	.60
53	MONOCULOIDES SPC		1					1	1	.27	89.16	.17	.408	-.26	.60
54	AMPELISCA SPA						1	1	1	.27	89.43	.17	.408	-.26	.60

55	LUMBRINERIS SP	1							1	1	.27	89.70	.17	.408	-.26	.60
56	DENTALIUM TEXASIANUM		1						1	1	.27	89.97	.17	.408	-.26	.60
57	ANADARA TRANSVERSA					1			1	1	.27	90.24	.17	.408	-.26	.60
58	HARBANSUS PAUCICHELATUS					1			1	1	.27	90.51	.17	.408	-.26	.60
59	CUMACEAN SPI							1	1	1	.27	90.79	.17	.408	-.26	.60
60	NINOE NIGRIPES	1							1	1	.27	91.06	.17	.408	-.26	.60
61	GLYCINDE NORDMANNI		1						1	1	.27	91.33	.17	.408	-.26	.60
62	MEDIOMASTUS CALIFORNIENSIS					1			1	1	.27	91.60	.17	.408	-.26	.60
63	CALLIANASSA LATISPINA					1			1	1	.27	91.87	.17	.408	-.26	.60
64	OPHIODROMUS OBSCURUS							1	1	1	.27	92.14	.17	.408	-.26	.60
65	MAGELONA ROSEA							1	1	1	.27	92.41	.17	.408	-.26	.60
66	POLYCHAETE SPA			1					1	1	.27	92.68	.17	.408	-.26	.60
67	POLYDORA CF HARTMANAE							1	1	1	.27	92.95	.17	.408	-.26	.60
68	SAMYTHELLA ELIASONI		1						1	1	.27	93.22	.17	.408	-.26	.60
69	PROCHAETODERMA SPA					1			1	1	.27	93.50	.17	.408	-.26	.60
70	SPIOPHANES LONGICIRRUS				1				1	1	.27	93.77	.17	.408	-.26	.60
71	SPHAERODORIDIUM CLAPAREDII					1			1	1	.27	94.04	.17	.408	-.26	.60
72	TEREBRIDAE			1					1	1	.27	94.31	.17	.408	-.26	.60
73	OSTRACOD SPJJ					1			1	1	.27	94.58	.17	.408	-.26	.60
74	HYALA SPA				1				1	1	.27	94.85	.17	.408	-.26	.60
75	MAGELONA PHYLLISAE					1			1	1	.27	95.12	.17	.408	-.26	.60
76	CUSPIDARIA MEDIA					1			1	1	.27	95.39	.17	.408	-.26	.60
77	PECTINARIA GOULDII				1				1	1	.27	95.66	.17	.408	-.26	.60
78	PARASTEROPE LATA							1	1	1	.27	95.93	.17	.408	-.26	.60
79	SPIOPHANES SP		1						1	1	.27	96.21	.17	.408	-.26	.60
80	AMPHARETIDAE	1							1	1	.27	96.48	.17	.408	-.26	.60
81	OPHIUROIDEA							1	1	1	.27	96.75	.17	.408	-.26	.60
82	AGLAOPHAMUS CIRCINATA				1				1	1	.27	97.02	.17	.408	-.26	.60
83	ONUPHIDAE				1				1	1	.27	97.29	.17	.408	-.26	.60
84	SIGAMBRA BASSI			1					1	1	.27	97.56	.17	.408	-.26	.60
85	AUTOMATE EVERMANNI							1	1	1	.27	97.83	.17	.408	-.26	.60
86	PLATYHELMINTHES				1				1	1	.27	98.10	.17	.408	-.26	.60
87	SERPULA VERMICULARIS				1				1	1	.27	98.37	.17	.408	-.26	.60
88	NUCULANA ACUTA				1				1	1	.27	98.64	.17	.408	-.26	.60
89	SPIOPHANES WIGLEYI			1					1	1	.27	98.92	.17	.408	-.26	.60
90	POECILOCHAETUS JOHNSONI			1					1	1	.27	99.19	.17	.408	-.26	.60
91	SARSIELLA SPL			1					1	1	.27	99.46	.17	.408	-.26	.60
92	CHLOEIA VIRIDIS					1			1	1	.27	99.73	.17	.408	-.26	.60
93	LUMBRINERIS TENUIS			1					1	1	.27	100.00	.17	.408	-.26	.60

NO. OF SPECIES	25	28	32	24	36	43	
NO. OF INDIVIDUALS	45	67	63	47	52	95	369

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	93	369	5.5390	.9640	.7634

STATION 1 TRANSECT II PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	MEDIOMASTUS CALIFORNIENSIS	13	8	13	13	33	25	105	6	23.13	23.13	17.50	9.460	7.57	27.43
2	PARAPRIONOSPIO PINNATA	3	8	4	6	22	20	63	6	13.88	37.00	10.50	8.337	1.75	19.25
3	AMPELISCA AGASSIZI	16	23	6	4	2	3	54	6	11.89	48.90	9.00	8.532	.04	17.96
4	MAGELONA PHYLLISAE	4	3	3	5	16	2	33	6	7.27	56.17	5.50	5.244	-.00	11.00
5	NEMERTINEA	5	11	1	6	3	1	27	6	5.95	62.11	4.50	3.782	.53	8.47
6	COSSURA DELTA	3	2	3	4	7	4	23	6	5.07	67.18	3.83	1.722	2.03	5.64
7	NEREID(NICON) SPA		2	5	6	4	5	22	5	4.85	72.03	3.67	2.251	1.30	6.03
8	NEPHTYS INCISA	2	1	3	1	8	1	16	6	3.52	75.55	2.67	2.733	-.20	5.53
9	SIGAMBRA TENTACULATA	3	1	3	1	5		13	5	2.86	78.41	2.17	1.835	.24	4.09
10	MAGELONA ROSEA	3	1	1		3	2	10	5	2.20	80.62	1.67	1.211	.40	2.94
11	VITRINELLA FLORIDANA	1	5		1		2	9	4	1.98	82.60	1.50	1.871	-.46	3.46
12	ARICIDEA JEFFREYSII	1	4			1	3	9	4	1.98	84.58	1.50	1.643	-.22	3.22
13	PHOTIS MACROMANUS		2		1	2	2	7	4	1.54	86.12	1.17	.983	.13	2.20
14	MINUSPIO CIRRIFERA		5			1		6	2	1.32	87.44	1.00	2.000	-1.10	3.10
15	ARMANDIA MACULATA					4	1	5	2	1.10	88.55	.83	1.602	-.85	2.51
16	NOTOMASTUS CF LATERICEUS					4		4	1	.88	89.43	.67	1.633	-1.05	2.38
17	AMPELISCA VERRILLI	1	1		1	1		4	4	.88	90.31	.67	.516	.12	1.21
18	MAGELONA LONGICORNIS	1		1		1	1	4	4	.88	91.19	.67	.516	.12	1.21
19	PARAONIS GRACILIS	1	1		2			4	3	.88	92.07	.67	.816	-.19	1.52
20	MALACOCEROS VANDERHORSTI			2			1	3	2	.66	92.73	.50	.837	-.38	1.38
21	NATICA CANRENA	2				1		3	2	.66	93.39	.50	.837	-.38	1.38
22	AMPELISCA ABDITA	1		1			1	3	3	.66	94.05	.50	.548	-.07	1.07
23	NINOE NIGRIPES	1				1		2	2	.44	94.49	.33	.516	-.21	.88
24	LUMBRINERIS PARVAPEDATA	1				1		2	2	.44	94.93	.33	.516	-.21	.88
25	CORBULA SWIFTIANA		1				1	2	2	.44	95.37	.33	.516	-.21	.88
26	ERIOPISA SPB		2					2	1	.44	95.81	.33	.816	-.52	1.19
27	SPIOPHANES LONGICIRRUS	1						1	1	.22	96.04	.17	.408	-.26	.60
28	NUCULANA CONCENTRICA	1						1	1	.22	96.26	.17	.408	-.26	.60
29	ASYCHIS ELONGATA	1						1	1	.22	96.48	.17	.408	-.26	.60
30	SPIONIDAE						1	1	1	.22	96.70	.17	.408	-.26	.60
31	THARYX ANNULOSUS						1	1	1	.22	96.92	.17	.408	-.26	.60
32	MALACOCEROS SP						1	1	1	.22	97.14	.17	.408	-.26	.60
33	SPEOCARCINUS LOBATUS				1			1	1	.22	97.36	.17	.408	-.26	.60
34	AMPHARETE ACUTIFRONS	1						1	1	.22	97.58	.17	.408	-.26	.60
35	SYNCHELIDIUM CF AMERICANUM						1	1	1	.22	97.80	.17	.408	-.26	.60
36	ANADARA OVALIS		1					1	1	.22	98.02	.17	.408	-.26	.60
37	POLYCHAETE SPA					1		1	1	.22	98.24	.17	.408	-.26	.60
38	CIRRATULID SPA					1		1	1	.22	98.46	.17	.408	-.26	.60
39	AGLAOPHAMUS CIRCINATA	1						1	1	.22	98.68	.17	.408	-.26	.60
40	SIGAMBRA BASSI					1		1	1	.22	98.90	.17	.408	-.26	.60
41	MALDANIDAE			1				1	1	.22	99.12	.17	.408	-.26	.60
42	NEREIS LAMELLOSA		1					1	1	.22	99.34	.17	.408	-.26	.60
43	ANCISTROSYLLIS JONESI			1				1	1	.22	99.56	.17	.408	-.26	.60
44	PRIONOSPIO CRISTATA	1						1	1	.22	99.78	.17	.408	-.26	.60
45	LUMBRINERIS TENUIS						1	1	1	.22	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	24	20	15	14	23	22								
	NO. OF INDIVIDUALS	68	83	48	52	123	80	454							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	II	45	454	4.0033	.8969	.5333

STATION 2 TRANSECT II PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SPIONIDAE	17	2		5	43		67	4	19.14	19.14	11.17	16.845	-6.51	28.85
2	PARAONIS SPA	3	5	5	9	2	5	29	6	8.29	27.43	4.83	2.401	2.31	7.35
3	PARAPRIONOSPIO PINNATA	2	7	8		3	2	22	5	6.29	33.71	3.67	3.141	.37	6.96
4	PARAONIS GRACILIS	3	2	5	5	2	1	18	6	5.14	38.86	3.00	1.673	1.24	4.76
5	NEMERTINEA	1	6	4		2	2	15	5	4.29	43.14	2.50	2.168	.22	4.78
6	CORBULA SWIFTIANA	5				6	1	12	3	3.43	46.57	2.00	2.757	-.89	4.89
7	NEPHTYS INCISA	3	3		1	3	2	12	5	3.43	50.00	2.00	1.265	.67	3.33
8	LUMBRINERIS PARVAPEDATA	1	1	6		3	1	12	5	3.43	53.43	2.00	2.191	-.30	4.30
9	COSSURA DELTA	4	1	2		2	2	11	5	3.14	56.57	1.83	1.329	.44	3.23
10	MAGELONA LONGICORNIS	2	1	3	1	3	1	11	6	3.14	59.71	1.83	.983	.80	2.87
11	PITAR CORDATUS	1	1	1	3		3	9	5	2.57	62.29	1.50	1.225	.21	2.79
12	EUDORELLA MONODON	1	2	3		2		8	4	2.29	64.57	1.33	1.211	.06	2.60
13	MINUSPIO LONGIBRANCHIATA					6		6	1	1.71	66.29	1.00	2.449	-1.57	3.57
14	NATICA CANRENA	2	1	2				5	3	1.43	67.71	.83	.983	-.20	1.87
15	MEDIOMASTUS CALIFORNIENSIS	1		3	1			5	3	1.43	69.14	.83	1.169	-.39	2.06
16	SIGAMBRA TENTACULATA	1	1	1		2		5	4	1.43	70.57	.83	.753	.04	1.62
17	ARICIDEA JEFFREYSII			2		3		5	2	1.43	72.00	.83	1.329	-.56	2.23
18	VENERIDAE	2		2				4	2	1.14	73.14	.67	1.033	-.42	1.75
19	NATICA SP	4						4	1	1.14	74.29	.67	1.633	-1.05	2.38
20	HETEROSPIO LONGISSIMA			2		1	1	4	3	1.14	75.43	.67	.816	-.19	1.52
21	OPHIUROIDEA			1	1	1	1	4	4	1.14	76.57	.67	.516	.12	1.21
22	THARYX MARIONI		2	1	1			4	3	1.14	77.71	.67	.816	-.19	1.52
23	OPHIOGLYCERA CF DISTORTA	1				2		3	2	.86	78.57	.50	.837	-.38	1.38
24	MINUSPIO CIRRIFERA					3		3	1	.86	79.43	.50	1.225	-.79	1.79
25	AUTOMATE SP					2	1	3	2	.86	80.29	.50	.837	-.38	1.38
26	PINNOTHERIDAE		2		1			3	2	.86	81.14	.50	.837	-.38	1.38
27	ANOPLODACTYLUS PETIOLATUS	1		1		1		3	3	.86	82.00	.50	.548	-.07	1.07
28	ECHINODERMATA			3				3	1	.86	82.86	.50	1.225	-.79	1.79
29	MAGELONA ROSEA	1	1	1				3	3	.86	83.71	.50	.548	-.07	1.07
30	AMPELISCA ABDITA				1	1	1	3	3	.86	84.57	.50	.548	-.07	1.07
31	TELLINIDAE		1	1				2	2	.57	85.14	.33	.516	-.21	.88
32	TEINOSTOMA BISCAYNENSE					1	1	2	2	.57	85.71	.33	.516	-.21	.88
33	LISTRIELLA BARNARDI					1	1	2	2	.57	86.29	.33	.516	-.21	.88
34	NOTOMASTUS CF LATERICEUS	1	1					2	2	.57	86.86	.33	.516	-.21	.88
35	CAPRELLID	1		1				2	2	.57	87.43	.33	.516	-.21	.88
36	NINOE NIGRIPES			1		1		2	2	.57	88.00	.33	.516	-.21	.88
37	DRILONEREIS MAGNA			1			1	2	2	.57	88.57	.33	.516	-.21	.88
38	KALLIAPSEUDES SPA			1		1		2	2	.57	89.14	.33	.516	-.21	.88
39	SPIOPHANES LONGICIRRUS		1	1				2	2	.57	89.71	.33	.516	-.21	.88
40	STHENELAIS BOA					1	1	2	2	.57	90.29	.33	.516	-.21	.88
41	POLYNOIDAE						1	1	1	.29	90.57	.17	.408	-.26	.60
42	GLOTTIDIA PYRAMIDATA			1				1	1	.29	90.86	.17	.408	-.26	.60
43	AEDICIRA BELGICAE		1					1	1	.29	91.14	.17	.408	-.26	.60
44	PARAONIDES LYRA					1		1	1	.29	91.43	.17	.408	-.26	.60
45	LIMA PELLUCIDA						1	1	1	.29	91.71	.17	.408	-.26	.60
46	POLYDORA LIGNI		1					1	1	.29	92.00	.17	.408	-.26	.60
47	ARICIDEA WASSI			1				1	1	.29	92.29	.17	.408	-.26	.60
48	MAJIDAE					1		1	1	.29	92.57	.17	.408	-.26	.60
49	ASYCHIS SP		1					1	1	.29	92.86	.17	.408	-.26	.60
50	STHENELAIS SP		1					1	1	.29	93.14	.17	.408	-.26	.60
51	AMPHARETIDAE						1	1	1	.29	93.43	.17	.408	-.26	.60
52	MAGELONA PHYLLISAE		1					1	1	.29	93.71	.17	.408	-.26	.60
53	OWENIA FUSIFORMIS			1				1	1	.29	94.00	.17	.408	-.26	.60
54	ATRINA SEMINUDA		1					1	1	.29	94.29	.17	.408	-.26	.60

55	CIRROPHORUS BRANCHIATUS						1		1	1	.29	94.57	.17	.408	-.26	.60
56	CIRRATULID SPA						1		1	1	.29	94.86	.17	.408	-.26	.60
57	AUTOMATE EVERMANNI	1							1	1	.29	95.14	.17	.408	-.26	.60
58	PLATYHELMINTHES		1						1	1	.29	95.43	.17	.408	-.26	.60
59	LOVENELLA GRANDIS			1					1	1	.29	95.71	.17	.408	-.26	.60
60	THARYX ANNULOSUS							1	1	1	.29	96.00	.17	.408	-.26	.60
61	SIPUNCULA			1					1	1	.29	96.29	.17	.408	-.26	.60
62	VOLVULELLA TEXASIANA						1		1	1	.29	96.57	.17	.408	-.26	.60
63	SPIOPHANES SPA				1				1	1	.29	96.86	.17	.408	-.26	.60
64	AMPELISCA AGASSIZI				1				1	1	.29	97.14	.17	.408	-.26	.60
65	AMPHARETE ACUTIFRONS			1					1	1	.29	97.43	.17	.408	-.26	.60
66	DIOPATRA TRIDENTATA		1						1	1	.29	97.71	.17	.408	-.26	.60
67	ANICIDEA TAYLORI						1		1	1	.29	98.00	.17	.408	-.26	.60
68	AMPHARETE PARVIDENTATA						1		1	1	.29	98.29	.17	.408	-.26	.60
69	AMPELISCA VERRILLI		1						1	1	.29	98.57	.17	.408	-.26	.60
70	HIPPOMEDON CF SERRATUS						1		1	1	.29	98.86	.17	.408	-.26	.60
71	ONUPHIS SPD			1					1	1	.29	99.14	.17	.408	-.26	.60
72	NEPHTYIDAE			1					1	1	.29	99.43	.17	.408	-.26	.60
73	CUMACEAN SPB		1						1	1	.29	99.71	.17	.408	-.26	.60
74	ASYCHIS ELONGATA			1					1	1	.29	100.00	.17	.408	-.26	.60

NO. OF SPECIES	23	29	35	13	34	22	
NO. OF INDIVIDUALS	59	51	71	31	106	32	350

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	II	74	350	5.0402	.9411	.6757

STATION 3 TRANSECT II PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIGAMBRA TENTACULATA	3	1	1	4	5	3	17	6	10.97	10.97	2.83	1.602	1.15	4.51
2	PARAONIS GRACILIS		1	4	2	1	2	10	5	6.45	17.42	1.67	1.366	.23	3.10
3	PITAR CORDATUS	1	1	1		3	3	9	5	5.81	23.23	1.50	1.225	.21	2.79
4	PARAPRIONOSPIO PINNATA			2		4	2	8	3	5.16	28.39	1.33	1.633	-.38	3.05
5	NEMERTINEA		1	6		1		8	3	5.16	33.55	1.33	2.338	-1.12	3.79
6	ALTERNOCHELATA SPA	5		1		1		7	3	4.52	38.06	1.17	1.941	-.87	3.20
7	XENANTHURA BREVITELSON		1		2	2		5	3	3.23	41.29	.83	.983	-.20	1.87
8	THYASIRA PYGMAEA	1	1	2			1	5	4	3.23	44.52	.83	.753	.04	1.62
9	NEPHTYS INCISA			1		2	2	5	3	3.23	47.74	.83	.983	-.20	1.87
10	SIPUNCULA	1		2			1	4	3	2.58	50.32	.67	.816	-.19	1.52
11	COSSURA DELTA		1	1	1		1	4	4	2.58	52.90	.67	.516	.12	1.21
12	FALCIDENS SPA	1				1	2	4	3	2.58	55.48	.67	.816	-.19	1.52
13	ONUPHIDAE		1	3				4	2	2.58	58.06	.67	1.211	-.60	1.94
14	LUMBRINERIS PARVAPEDATA	1	1	1				3	3	1.94	60.00	.50	.548	-.07	1.07
15	DENTALIUM SOWERBYI	1	1	1				3	3	1.94	61.94	.50	.548	-.07	1.07
16	SCUTOPUS SPA	1			1	1		3	3	1.94	63.87	.50	.548	-.07	1.07
17	CIRRATULIDAE						3	3	1	1.94	65.81	.50	1.225	-.79	1.79
18	NEPHTYIDAE	1			2			3	2	1.94	67.74	.50	.837	-.38	1.38
19	THARYX MARIONI			2		1		3	2	1.94	69.68	.50	.837	-.38	1.38
20	AMPELISCA SPA						3	3	1	1.94	71.61	.50	1.225	-.79	1.79
21	PARALACYDONIA PARADOXA				1	1		2	2	1.29	72.90	.33	.516	-.21	.88
22	SYLLIS SPC	1				1		2	2	1.29	74.19	.33	.516	-.21	.88
23	GLYCERA TESSELATA					1	1	2	2	1.29	75.48	.33	.516	-.21	.88
24	OSTRACOD SPAA					1	1	2	2	1.29	76.77	.33	.516	-.21	.88
25	PARAONIS SPA		1				1	2	2	1.29	78.06	.33	.516	-.21	.88
26	POECILOCHAETUS JOHNSONI			2				2	1	1.29	79.35	.33	.816	-.52	1.19
27	HETEROSPIO LONGISSIMA			1				1	1	.65	80.00	.17	.408	-.26	.60
28	GYPTIS VITTATA			1				1	1	.65	80.65	.17	.408	-.26	.60
29	ANOPLODACTYLUS PETIOLATUS	1						1	1	.65	81.29	.17	.408	-.26	.60
30	CERATOCEPHALE OCULATA			1				1	1	.65	81.94	.17	.408	-.26	.60
31	SARSIELLA CF GREYI				1			1	1	.65	82.58	.17	.408	-.26	.60
32	OPHELIIDAE						1	1	1	.65	83.23	.17	.408	-.26	.60
33	MEDIOMASTUS CALIFORNIENSIS						1	1	1	.65	83.87	.17	.408	-.26	.60
34	SABELLIDAE			1				1	1	.65	84.52	.17	.408	-.26	.60
35	TEREBELLIDAE		1					1	1	.65	85.16	.17	.408	-.26	.60
36	RUTIDERMA SPD						1	1	1	.65	85.81	.17	.408	-.26	.60
37	BYBLIS CF AFFINIS					1		1	1	.65	86.45	.17	.408	-.26	.60
38	HIPPOMEDON CF SERRATUS					1		1	1	.65	87.10	.17	.408	-.26	.60
39	NUCULANA ACUTA						1	1	1	.65	87.74	.17	.408	-.26	.60
40	PARAONIDAE	1						1	1	.65	88.39	.17	.408	-.26	.60
41	OLIVIDAE						1	1	1	.65	89.03	.17	.408	-.26	.60
42	CIRRATULID SPA		1					1	1	.65	89.68	.17	.408	-.26	.60
43	BRYOZOA	1						1	1	.65	90.32	.17	.408	-.26	.60
44	GLYCINDE SOLITARIA	1						1	1	.65	90.97	.17	.408	-.26	.60
45	ARMANDIA MACULATA	1						1	1	.65	91.61	.17	.408	-.26	.60
46	HYALA SPA				1			1	1	.65	92.26	.17	.408	-.26	.60
47	SPIONIDAE			1				1	1	.65	92.90	.17	.408	-.26	.60
48	GONIADA MACULATA				1			1	1	.65	93.55	.17	.408	-.26	.60
49	PLATYHELMINTHES		1					1	1	.65	94.19	.17	.408	-.26	.60
50	STHENELAIS BOA					1		1	1	.65	94.84	.17	.408	-.26	.60
51	TELLINIDAE					1		1	1	.65	95.48	.17	.408	-.26	.60
52	MALDANIDAE						1	1	1	.65	96.13	.17	.408	-.26	.60
53	NINOE NIGRIPES				1			1	1	.65	96.77	.17	.408	-.26	.60
54	SPIOPHANES LONGICIRRUS			1				1	1	.65	97.42	.17	.408	-.26	.60

55	TETRAGONODON SPA			1				1	1	.65	98.06	.17	.408	-.26	.60
56	THARYX ANNULOSUS					1		1	1	.65	98.71	.17	.408	-.26	.60
57	RANINOIDES LOUISIANENSIS		1					1	1	.65	99.35	.17	.408	-.26	.60
58	HARBANSUS PAUCICHELATUS			1				1	1	.65	100.00	.17	.408	-.26	.60

NO. OF SPECIES	17	14	23	11	20	20	
NO. OF INDIVIDUALS	23	14	38	17	31	32	155

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	II	58	155	5.2784	.9686	1.0000

STATION 4 TRANSECT II PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	APSEUDES SPA		75	1	1			77	3	25.93	25.93	12.83	30.459	-19.14	44.80
2	PARAPRIONOSPIO PINNATA	1	7	2	6	12	12	40	6	13.47	39.39	6.67	4.719	1.71	11.62
3	NEPHTYS INCISA	1	3	4	7	9	2	26	6	8.75	48.15	4.33	3.077	1.10	7.56
4	AMPELISCA AGASSIZI			4	1	16	1	22	4	7.41	55.56	3.67	6.218	-2.86	10.19
5	LISTRIELLA BARNARDI		19					19	1	6.40	61.95	3.17	7.757	-4.97	11.31
6	EUDORELLA MONODON		2	1	2	7		12	4	4.04	65.99	2.00	2.608	-.74	4.74
7	PARAONIS GRACILIS	1	2		6	1	1	11	5	3.70	69.70	1.83	2.137	-.41	4.08
8	AMPELISCA ABDITA	2		1	4	2	1	10	5	3.37	73.06	1.67	1.366	.23	3.10
9	MEDIOMASTUS CALIFORNIENSIS	2	1	1	2	1	3	10	6	3.37	76.43	1.67	.816	.81	2.52
10	SPIONIDAE		2		3	2	2	9	4	3.03	79.46	1.50	1.225	.21	2.79
11	CORBULA SWIFTIANA		7	1	1			9	3	3.03	82.49	1.50	2.739	-1.37	4.37
12	LUMBRINERIS PARVAPEDATA		1	1	2	4		8	4	2.69	85.19	1.33	1.506	-.25	2.91
13	NEMERTINEA	1		2	2	1	1	7	5	2.36	87.54	1.17	.753	.38	1.96
14	COSSURA DELTA	3	1	1			1	6	4	2.02	89.56	1.00	1.095	-.15	2.15
15	AMPELISCA VERRILLI				2	1	1	4	3	1.35	90.91	.67	.816	-.19	1.52
16	NOTOMASTUS CF LATERICEUS				1	2		3	2	1.01	91.92	.50	.837	-.38	1.38
17	MAGELONA LONGICORNIS			1		1	1	3	3	1.01	92.93	.50	.548	-.07	1.07
18	ARMANDIA MACULATA	1	2					3	2	1.01	93.94	.50	.837	-.38	1.38
19	THARYX MARIONI			1	1			2	2	.67	94.61	.33	.516	-.21	.88
20	ONUPHIS SPD				1		1	2	2	.67	95.29	.33	.516	-.21	.88
21	SIGAMBRA TENTACULATA				1	1		2	2	.67	95.96	.33	.516	-.21	.88
22	VOLVULELLA TEXASIANA			1			1	2	2	.67	96.63	.33	.516	-.21	.88
23	DRILONEREIS MAGNA				1	1		2	2	.67	97.31	.33	.516	-.21	.88
24	CIRROPHORUS LYRIFORMIS			1	1			2	2	.67	97.98	.33	.516	-.21	.88
25	PARAONIDAE						1	1	1	.34	98.32	.17	.408	-.26	.60
26	CERIANTHARIA	1						1	1	.34	98.65	.17	.408	-.26	.60
27	ANCISTROSYLLIS JONESI				1			1	1	.34	98.99	.17	.408	-.26	.60
28	LEPTOCHEIRUS SP		1					1	1	.34	99.33	.17	.408	-.26	.60
29	NINOE NIGRIPES						1	1	1	.34	99.66	.17	.408	-.26	.60
30	MAGELONA ROSEA		1					1	1	.34	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	9	14	15	20	15	15								
	NO. OF INDIVIDUALS	13	124	23	46	61	30	297							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	II	30	297	3.8623	.8908	.7333

STATION 5 TRANSECT II PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	THYASIRA SPA	8		6	9	22	3	48	5	31.17	31.17	8.00	7.616	.01	15.99
2	PITAR CORDATUS	1		5	1	7	4	18	5	11.69	42.86	3.00	2.757	.11	5.89
3	COSSURA DELTA	2			1	6	1	10	4	6.49	49.35	1.67	2.251	-.70	4.03
4	PARAONIS SPA	1	1	1	2	1	4	10	6	6.49	55.84	1.67	1.211	.40	2.94
5	PARAPRIONOSPIO PINNATA	1	1			3		5	3	3.25	59.09	.83	1.169	-.39	2.06
6	MAGELONA LONGICORNIS				1	3	1	5	3	3.25	62.34	.83	1.169	-.39	2.06
7	SIGAMBRA TENTACULATA	1	1			2		4	3	2.60	64.94	.67	.816	-.19	1.52
8	PARAONIS GRACILIS	1	1		1	1		4	4	2.60	67.53	.67	.516	.12	1.21
9	NEPHTYS INCISA	1		1		2		4	3	2.60	70.13	.67	.816	-.19	1.52
10	NEMERTINEA			1	1	2		4	3	2.60	72.73	.67	.816	-.19	1.52
11	OPHIUROIDEA	1		1	1			3	3	1.95	74.68	.50	.548	-.07	1.07
12	SCUTOPUS SPA	1		1		1		3	3	1.95	76.62	.50	.548	-.07	1.07
13	DENTALIUM SOWERBYI	1				2		3	2	1.95	78.57	.50	.837	-.38	1.38
14	LUMBRINERIS PARVAPEDATA	2						2	1	1.30	79.87	.33	.816	-.52	1.19
15	SPIOPHANES LONGICIRRUS				1	1		2	2	1.30	81.17	.33	.516	-.21	.88
16	HYALA SPA				1		1	2	2	1.30	82.47	.33	.516	-.21	.88
17	AMPHARETE AMERICANA					2		2	1	1.30	83.77	.33	.816	-.52	1.19
18	SKOZSBERGIA CF LERNERI				1			1	1	.65	84.42	.17	.408	-.26	.60
19	PECTINIDAE						1	1	1	.65	85.06	.17	.408	-.26	.60
20	RISSOINA CANCELLATA				1			1	1	.65	85.71	.17	.408	-.26	.60
21	ASYCHIS SP				1			1	1	.65	86.36	.17	.408	-.26	.60
22	POLYDORA CF SOCIALIS				1			1	1	.65	87.01	.17	.408	-.26	.60
23	CAPRELLID					1		1	1	.65	87.66	.17	.408	-.26	.60
24	PHYLLODOCE MUCOSA				1			1	1	.65	88.31	.17	.408	-.26	.60
25	PARAONIDAE						1	1	1	.65	88.96	.17	.408	-.26	.60
26	STERNASPIS SCUTATA				1			1	1	.65	89.61	.17	.408	-.26	.60
27	TELLINIDAE			1				1	1	.65	90.26	.17	.408	-.26	.60
28	NEREID(NICON) SPA			1				1	1	.65	90.91	.17	.408	-.26	.60
29	DRILONEREIS MAGNA	1						1	1	.65	91.56	.17	.408	-.26	.60
30	PARAMPHINOME PULCHELLA					1		1	1	.65	92.21	.17	.408	-.26	.60
31	GLYCERA TESSELATA					1		1	1	.65	92.86	.17	.408	-.26	.60
32	MEGALOMMA CF QUADRIOCULATUM					1		1	1	.65	93.51	.17	.408	-.26	.60
33	RANINOIDES LAMARCKI						1	1	1	.65	94.16	.17	.408	-.26	.60
34	MALDANIDAE					1		1	1	.65	94.81	.17	.408	-.26	.60
35	RANINOIDES LOUISIANENSIS					1		1	1	.65	95.45	.17	.408	-.26	.60
36	SANGUINOLARIA SANGUINOLENTA					1		1	1	.65	96.10	.17	.408	-.26	.60
37	AMPHARETE PARVIDENTATA					1		1	1	.65	96.75	.17	.408	-.26	.60
38	CIRRATULID SPA					1		1	1	.65	97.40	.17	.408	-.26	.60
39	ONUPHIDAE					1		1	1	.65	98.05	.17	.408	-.26	.60
40	MEDIOMASTUS CALIFORNIENSIS					1		1	1	.65	98.70	.17	.408	-.26	.60
41	SPIOCHAETOPTERUS COSTARUM					1		1	1	.65	99.35	.17	.408	-.26	.60
42	ANOPLODACTYLUS PETIOLATUS		1					1	1	.65	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	13	5	9	16	26	9								
	NO. OF INDIVIDUALS	22	5	18	25	67	17	154							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	II	42	154	4.1109	.8788	.6190

STATION 6 TRANSECT II PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAONIS GRACILIS	16	17	7	18	8	3	69	6	10.80	10.80	11.50	6.285	4.90	18.10
2	MINUSPIO LONGIBRANCHIATA	13	1	18	9	24		65	5	10.17	20.97	10.83	9.453	.91	20.76
3	MEDIOMASTUS CALIFORNIENSIS	4	7	6	8	8	6	39	6	6.10	27.07	6.50	1.517	4.91	8.09
4	PITAR CORDATUS	11		7	1	12	5	36	5	5.63	32.71	6.00	4.980	.77	11.23
5	SIGAMBRA TENTACULATA	8	7	4		10	4	33	5	5.16	37.87	5.50	3.564	1.76	9.24
6	THARYX ANNULOSUS	12	4	9	1	7		33	5	5.16	43.04	5.50	4.680	.59	10.41
7	RISSOINA CANCELLATA	6	1	2	3	17		29	5	4.54	47.57	4.83	6.306	-1.79	11.45
8	SPIONIDAE	2		16	2	1		21	4	3.29	50.86	3.50	6.189	-3.00	10.00
9	NEMERTINEA	4	3	5		1	6	19	5	2.97	53.83	3.17	2.317	.74	5.60
10	PARALACYDONIA PARADOXA	3		5		5	1	14	4	2.19	56.03	2.33	2.338	-.12	4.79
11	COSSURA DELTA	2	1	4		5	2	14	5	2.19	58.22	2.33	1.862	.38	4.29
12	PARAPRIONOSPIO PINNATA	3	4	1		1	3	12	5	1.88	60.09	2.00	1.549	.37	3.63
13	SCUTOPUS SPA	1	1	2		4	3	11	5	1.72	61.82	1.83	1.472	.29	3.38
14	CAPRELLID	2		6	1	1		10	4	1.56	63.38	1.67	2.251	-.70	4.03
15	PARAONIDES LYRA	2		6		1		9	3	1.41	64.79	1.50	2.345	-.96	3.96
16	LEPTOCHEIRUS SP	7				2		9	2	1.41	66.20	1.50	2.811	-1.45	4.45
17	ARICIDEA CF FRAGILIS		3		2		3	8	3	1.25	67.45	1.33	1.506	-.25	2.91
18	ARICIDEA JEFFREYSII	2		3		2		7	3	1.10	68.54	1.17	1.329	-.23	2.56
19	CORBULA SWIFTIANA	4		1		2		7	3	1.10	69.64	1.17	1.602	-.51	2.85
20	THYASIRA PYGMAEA	1	1	3		2		7	4	1.10	70.74	1.17	1.169	-.06	2.39
21	HETEROPHOXUS CF OCULATUS	5		1		1		7	3	1.10	71.83	1.17	1.941	-.87	3.20
22	SIPUNCULA	1	1	2	1	1		6	5	.94	72.77	1.00	.632	.34	1.66
23	AMPHARETE AMERICANA	4		1		1		6	3	.94	73.71	1.00	1.549	-.63	2.63
24	GNATHIA SP	5			1			6	2	.94	74.65	1.00	2.000	-1.10	3.10
25	GLYCERA PAPILLOSA	1		1		2	1	5	4	.78	75.43	.83	.753	.04	1.62
26	NEREIS SPA	3		1		1		5	3	.78	76.21	.83	1.169	-.39	2.06
27	LUMBRINERIS PARVAPEDATA	2	1				2	5	3	.78	77.00	.83	.983	-.20	1.87
28	ARICIDEA NEOSUECICA			4				4	1	.63	77.62	.67	1.633	-1.05	2.38
29	HYALA SPA			3			1	4	2	.63	78.25	.67	1.211	-.60	1.94
30	PIONOSYLLIS CF EHLERSIAEFORMIS	4						4	1	.63	78.87	.67	1.633	-1.05	2.38
31	AMYGDALUM PAPYRIUM			3		1		4	2	.63	79.50	.67	1.211	-.60	1.94
32	CIRRATULID-B	1	1			2		4	3	.63	80.13	.67	.816	-.19	1.52
33	STERNASPIS SCUTATA		1	2			1	4	3	.63	80.75	.67	.816	-.19	1.52
34	NOTOMASTUS CF LATERICEUS	4						4	1	.63	81.38	.67	1.633	-1.05	2.38
35	NEPHTYIDAE		1				2	3	2	.47	81.85	.50	.837	-.38	1.38
36	PHYLLODOCE MUCOSA		1		1	1		3	3	.47	82.32	.50	.548	-.07	1.07
37	THYASIRA SPA		1	1			1	3	3	.47	82.79	.50	.548	-.07	1.07
38	LUMBRINERIS SP			1	2			3	2	.47	83.26	.50	.837	-.38	1.38
39	POLYCHAETE SPA	1			1	1		3	3	.47	83.72	.50	.548	-.07	1.07
40	PARAMPHINOME PULCHELLA	3						3	1	.47	84.19	.50	1.225	-.79	1.79
41	POLYDORA CF HARTMANAE	2		1				3	2	.47	84.66	.50	.837	-.38	1.38
42	SPIOPHANES LONGICIRRUS				2	1		3	2	.47	85.13	.50	.837	-.38	1.38
43	SABELLIDAE	1		1		1		3	3	.47	85.60	.50	.548	-.07	1.07
44	ERIOPISA INCISA					2	1	3	2	.47	86.07	.50	.837	-.38	1.38
45	OPHELIIDAE		2		1			3	2	.47	86.54	.50	.837	-.38	1.38
46	CHAETOZONE SETOSA		1			2		3	2	.47	87.01	.50	.837	-.38	1.38
47	SPIOPHANES SPA	1		1				2	2	.31	87.32	.33	.516	-.21	.88
48	ONUPHIDAE	1				1		2	2	.31	87.64	.33	.516	-.21	.88
49	ARICIDEA TAYLORI	2						2	1	.31	87.95	.33	.816	-.52	1.19
50	NEREID(NICON) SPA			1		1		2	2	.31	88.26	.33	.516	-.21	.88
51	NOTOMASTUS CF AMERICANUS			1	1			2	2	.31	88.58	.33	.516	-.21	.88
52	GLYCERA TESSELATA	1		1				2	2	.31	88.89	.33	.516	-.21	.88
53	ALPHEUS AMBLYONYX			1	1			2	2	.31	89.20	.33	.516	-.21	.88
54	ABRA AEQUALIS			2				2	1	.31	89.51	.33	.816	-.52	1.19

55	BYBLIS CF AFFINIS							2	2	1	.31	89.83	.33	.816	-.52	1.19
56	ANADARA TRANSVERSA				1		1		2	2	.31	90.14	.33	.516	-.21	.88
57	APISTOBRANCHUS TYPICUS	1	1						2	2	.31	90.45	.33	.516	-.21	.88
58	AEDICIRA BELGICAE					1		1	2	2	.31	90.77	.33	.516	-.21	.88
59	DENTALIUM SOWERBYI	1				1			2	2	.31	91.08	.33	.516	-.21	.88
60	TELLINIDAE	2							2	1	.31	91.39	.33	.816	-.52	1.19
61	THARYX SP							2	2	1	.31	91.71	.33	.816	-.52	1.19
62	PRIONOSPIO STEENSTRUPI							2	2	1	.31	92.02	.33	.816	-.52	1.19
63	SPIOCHAETOPTERUS COSTARUM	1					1		2	2	.31	92.33	.33	.516	-.21	.88
64	HEMICYCLOPS SP	1			1				2	2	.31	92.64	.33	.516	-.21	.88
65	ANOPLODACTYLUS PETIOLATUS	1						1	2	2	.31	92.96	.33	.516	-.21	.88
66	CAULLERIELLA SPA	1				1			2	2	.31	93.27	.33	.516	-.21	.88
67	METAPHOXUS CF FREQUENS	1					1		2	2	.31	93.58	.33	.516	-.21	.88
68	STHENELAIS BOA		1		1				2	2	.31	93.90	.33	.516	-.21	.88
69	CALLIANASSA LATISPINA				1				1	1	.16	94.05	.17	.408	-.26	.60
70	OWENIA FUSIFORMIS	1							1	1	.16	94.21	.17	.408	-.26	.60
71	CIRRATULID SPA	1							1	1	.16	94.37	.17	.408	-.26	.60
72	EXOGONE DISPAR	1							1	1	.16	94.52	.17	.408	-.26	.60
73	PARASTEROPE LATA					1			1	1	.16	94.68	.17	.408	-.26	.60
74	PHORONIDA						1		1	1	.16	94.84	.17	.408	-.26	.60
75	MONOCULOIDES SPC							1	1	1	.16	94.99	.17	.408	-.26	.60
76	HARBANSUS PAUCICHELATUS						1		1	1	.16	95.15	.17	.408	-.26	.60
77	NINOE NIGRIPES						1		1	1	.16	95.31	.17	.408	-.26	.60
78	LEPTOCHELA CF BERMUDENSIS				1				1	1	.16	95.46	.17	.408	-.26	.60
79	SPHAEROSYLLIS CF SUBLAEVIS	1							1	1	.16	95.62	.17	.408	-.26	.60
80	NEPHTYS INCISA					1			1	1	.16	95.77	.17	.408	-.26	.60
81	ANCISTROSYLLIS GROENLANDICA						1		1	1	.16	95.93	.17	.408	-.26	.60
82	CALIFIA CF CALIDA	1							1	1	.16	96.09	.17	.408	-.26	.60
83	MEGALOMMA CF QUADRIOCULATUM	1							1	1	.16	96.24	.17	.408	-.26	.60
84	GONIADA MACULATA	1							1	1	.16	96.40	.17	.408	-.26	.60
85	ARMANDIA MACULATA					1			1	1	.16	96.56	.17	.408	-.26	.60
86	AMPELISCA VERRILLI							1	1	1	.16	96.71	.17	.408	-.26	.60
87	GLYCERA SP		1						1	1	.16	96.87	.17	.408	-.26	.60
88	SOLEMYA SPA							1	1	1	.16	97.03	.17	.408	-.26	.60
89	POLYCOPE SPA							1	1	1	.16	97.18	.17	.408	-.26	.60
90	THARYX MARIONI	1							1	1	.16	97.34	.17	.408	-.26	.60
91	AMAEANA ACCRAENSIS	1							1	1	.16	97.50	.17	.408	-.26	.60
92	CHAETOZONE GAYHEADIA					1			1	1	.16	97.65	.17	.408	-.26	.60
93	NEREIDAE				1				1	1	.16	97.81	.17	.408	-.26	.60
94	TANAID SPG	1							1	1	.16	97.97	.17	.408	-.26	.60
95	MAGELONA LONGICORNIS						1		1	1	.16	98.12	.17	.408	-.26	.60
96	PARAONIS SPA							1	1	1	.16	98.28	.17	.408	-.26	.60
97	SPIOPHANES WIGLEYI						1		1	1	.16	98.44	.17	.408	-.26	.60
98	ARICIDEA WASSI							1	1	1	.16	98.59	.17	.408	-.26	.60
99	NETAMELITA BARNARDI					1			1	1	.16	98.75	.17	.408	-.26	.60
100	ACROCIRRIDAE							1	1	1	.16	98.90	.17	.408	-.26	.60
101	LAONICE CIRRATA	1							1	1	.16	99.06	.17	.408	-.26	.60
102	YOLDIA SOLENOIDES				1				1	1	.16	99.22	.17	.408	-.26	.60
103	CAUDOFOVEATA	1							1	1	.16	99.37	.17	.408	-.26	.60
104	PLATYHELMINTHES	1							1	1	.16	99.53	.17	.408	-.26	.60
105	PARDALISCID SPA	1							1	1	.16	99.69	.17	.408	-.26	.60
106	PHILINE SAGRA							1	1	1	.16	99.84	.17	.408	-.26	.60
107	NUCULANA ACUTA							1	1	1	.16	100.00	.17	.408	-.26	.60

NO. OF SPECIES	59	24	44	26	43	31	
NO. OF INDIVIDUALS	168	63	141	64	141	62	639

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	II	107	639	5.4618	.9591	.6262

STATION 1 TRANSECT III PERIOD 77WINTER

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 AMPELISCA AGASSIZI	53	82	190	62	63	31	481	6	58.59	58.59	80.17	56.297	21.08	139.26
2 AMPELISCA ABDITA	9	8	23	6	11	10	67	6	8.16	66.75	11.17	6.047	4.82	17.51
3 MEDIOMASTUS CALIFORNIENSIS	9	5	23	4	4	7	52	6	6.33	73.08	8.67	7.285	1.02	16.31
4 PARAPRIONOSPIO PINNATA	5	1	9	8	8	5	36	6	4.38	77.47	6.00	2.966	2.89	9.11
5 NEMERTINEA	6	5	1	3	5	8	28	6	3.41	80.88	4.67	2.422	2.12	7.21
6 PHOTIS MACROMANUS	1	1	7	6	9	4	28	6	3.41	84.29	4.67	3.266	1.24	8.09
7 NOTOMASTUS CF LATERICEUS	1	2	4	5	7	1	20	6	2.44	86.72	3.33	2.422	.79	5.88
8 NEREID(NICON) SPA	2	1	2	4	1	1	11	6	1.34	88.06	1.83	1.169	.61	3.06
9 COSSURA DELTA			4	2		5	11	3	1.34	89.40	1.83	2.229	-.51	4.17
10 NEPHTYS INCISA	1	1	2	2	1	1	8	6	.97	90.38	1.33	.516	.79	1.88
11 SIGAMBRA TENTACULATA		1	2	2	2		7	4	.85	91.23	1.17	.983	.13	2.20
12 ARMANDIA MACULATA			2	2		2	6	3	.73	91.96	1.00	1.095	-.15	2.15
13 NINOE NIGRIPES			3	1	1	1	6	4	.73	92.69	1.00	1.095	-.15	2.15
14 PRIONOSPIO CRISTATA			4		1		5	2	.61	93.30	.83	1.602	-.85	2.51
15 PARAONIS GRACILIS			1	1		3	5	3	.61	93.91	.83	1.169	-.39	2.06
16 MAGELONA LONGICORNIS		1	1	2			4	3	.49	94.40	.67	.816	-.19	1.52
17 MAGELONA PHYLLISAE	1		2			1	4	3	.49	94.88	.67	.816	-.19	1.52
18 SIPUNCULA			4				4	1	.49	95.37	.67	1.633	-1.05	2.38
19 MALACOCEROS VANDERHORSTI		2			1		3	2	.37	95.74	.50	.837	-.38	1.38
20 AEDICIRA BELGICAE			2		1		3	2	.37	96.10	.50	.837	-.38	1.38
21 CERIANTHARIA	1				1		2	2	.24	96.35	.33	.516	-.21	.88
22 LUMBRINERIS PARVAPEDATA		2					2	1	.24	96.59	.33	.816	-.52	1.19
23 HYALA SPA						2	2	1	.24	96.83	.33	.816	-.52	1.19
24 AMPHARETE ACUTIFRONS					1	1	2	2	.24	97.08	.33	.516	-.21	.88
25 MINUSPIO CIRRIFERA	2						2	1	.24	97.32	.33	.816	-.52	1.19
26 OPHIUROIDEA	1						1	1	.12	97.44	.17	.408	-.26	.60
27 ARICIDEA JEFFREYSII		1					1	1	.12	97.56	.17	.408	-.26	.60
28 NEPHTYIDAE		1					1	1	.12	97.69	.17	.408	-.26	.60
29 VITRINELLIDAE		1					1	1	.12	97.81	.17	.408	-.26	.60
30 MAGELONA ROSEA				1			1	1	.12	97.93	.17	.408	-.26	.60
31 ABRA AEQUALIS						1	1	1	.12	98.05	.17	.408	-.26	.60
32 ANADARA TRANSVERSA				1			1	1	.12	98.17	.17	.408	-.26	.60
33 SPIOPHANES SPA					1		1	1	.12	98.29	.17	.408	-.26	.60
34 LOVENELLA GRANDIS			1				1	1	.12	98.42	.17	.408	-.26	.60
35 NUCULANA CONCENTRICA	1						1	1	.12	98.54	.17	.408	-.26	.60
36 DRILONEREIS MAGNA					1		1	1	.12	98.66	.17	.408	-.26	.60
37 ANCISTROSYLLIS PAPILLOSA		1					1	1	.12	98.78	.17	.408	-.26	.60
38 SPIONIDAE			1				1	1	.12	98.90	.17	.408	-.26	.60
39 SPIOPHANES LONGICIRRUS						1	1	1	.12	99.03	.17	.408	-.26	.60
40 VOLVULELLA TEXASIANA			1				1	1	.12	99.15	.17	.408	-.26	.60
41 GONIADIDAE				1			1	1	.12	99.27	.17	.408	-.26	.60
42 SIGAMBRA BASSI	1						1	1	.12	99.39	.17	.408	-.26	.60
43 STHENELAIS BOA			1				1	1	.12	99.51	.17	.408	-.26	.60
44 TEREBRIDAE					1		1	1	.12	99.63	.17	.408	-.26	.60
45 GYPTIS VITTATA			1				1	1	.12	99.76	.17	.408	-.26	.60
46 EUDORELLA MONODON		1					1	1	.12	99.88	.17	.408	-.26	.60
47 TRACHYPENAEUS SIMILIS						1	1	1	.12	100.00	.17	.408	-.26	.60
NO. OF SPECIES	15	18	24	18	19	19								
NO. OF INDIVIDUALS	94	117	291	113	120	86	821							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	III	47	821	2.6847	.6812	.1915

STATION 2 TRANSECT III PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	COSSURA DELTA	1	6	1	1	1	2	12	6	10.71	10.71	2.00	2.000	-.10	4.10
2	PITAR CORDATUS		6	1	3		1	11	4	9.82	20.54	1.83	2.317	-.60	4.26
3	PARAONIS GRACILIS			2	4		1	7	3	6.25	26.79	1.17	1.602	-.51	2.85
4	PARAPRIONOSPIO PINNATA			1	4		1	6	3	5.36	32.14	1.00	1.549	-.63	2.63
5	NEMERTINEA	2	1		2			5	3	4.46	36.61	.83	.983	-.20	1.87
6	NEPHTYS INCISA	2				1	2	5	3	4.46	41.07	.83	.983	-.20	1.87
7	MAGELONA LONGICORNIS		1	2			2	5	3	4.46	45.54	.83	.983	-.20	1.87
8	EUDORELLA MONODON		1		2		1	4	3	3.57	49.11	.67	.816	-.19	1.52
9	CORBULA SWIFTIANA					2	1	3	2	2.68	51.79	.50	.837	-.38	1.38
10	PARAONIS SPA	1		1			1	3	3	2.68	54.46	.50	.548	-.07	1.07
11	ARMANDIA MACULATA		2			1		3	2	2.68	57.14	.50	.837	-.38	1.38
12	OSTRACOD SPD			1	1		1	3	3	2.68	59.82	.50	.548	-.07	1.07
13	DRILONEREIS MAGNA		2			1		3	2	2.68	62.50	.50	.837	-.38	1.38
14	SPIOPHANES LONGICIRRUS		1				1	2	2	1.79	64.29	.33	.516	-.21	.88
15	PHORONIDA	1	1					2	2	1.79	66.07	.33	.516	-.21	.88
16	POLYCHAETE SPA	1				1		2	2	1.79	67.86	.33	.516	-.21	.88
17	PARAONIDES LYRA	1			1			2	2	1.79	69.64	.33	.516	-.21	.88
18	LUMBRINERIS PARVAPEDATA		1		1			2	2	1.79	71.43	.33	.516	-.21	.88
19	SPIOPHANES SPA				1	1		2	2	1.79	73.21	.33	.516	-.21	.88
20	MEDIOMASTUS CALIFORNIENSIS	1			1			2	2	1.79	75.00	.33	.516	-.21	.88
21	AMPHARETIDAE				1		1	2	2	1.79	76.79	.33	.516	-.21	.88
22	THARYX ANNULOSUS				1			1	1	.89	77.68	.17	.408	-.26	.60
23	MALACOCEROS VANDERHORSTI		1					1	1	.89	78.57	.17	.408	-.26	.60
24	PARAMPHINOME PULCHELLA			1				1	1	.89	79.46	.17	.408	-.26	.60
25	MAGELONA PHYLLISAE	1						1	1	.89	80.36	.17	.408	-.26	.60
26	HETEROSPIO LONGISSIMA			1				1	1	.89	81.25	.17	.408	-.26	.60
27	HIPPOMEDON CF SERRATUS						1	1	1	.89	82.14	.17	.408	-.26	.60
28	CIRRATULIDAE						1	1	1	.89	83.04	.17	.408	-.26	.60
29	NOTOMASTUS CF LATERICEUS						1	1	1	.89	83.93	.17	.408	-.26	.60
30	BATEA SP						1	1	1	.89	84.82	.17	.408	-.26	.60
31	ANOPLODACTYLUS PETIOLATUS		1					1	1	.89	85.71	.17	.408	-.26	.60
32	SIGAMBRA BASSI	1						1	1	.89	86.61	.17	.408	-.26	.60
33	SIGAMBRA TENTACULATA		1					1	1	.89	87.50	.17	.408	-.26	.60
34	AMPHARETE PARVIDENTATA				1			1	1	.89	88.39	.17	.408	-.26	.60
35	EXOGONE DISPAR				1			1	1	.89	89.29	.17	.408	-.26	.60
36	AMPELISCA AGASSIZI						1	1	1	.89	90.18	.17	.408	-.26	.60
37	ASYCHIS SP					1		1	1	.89	91.07	.17	.408	-.26	.60
38	SIPUNCULA						1	1	1	.89	91.96	.17	.408	-.26	.60
39	LISTRIELLA BARNARDI		1					1	1	.89	92.86	.17	.408	-.26	.60
40	NEREID(NICON) SPA					1		1	1	.89	93.75	.17	.408	-.26	.60
41	OPHIUROIDEA						1	1	1	.89	94.64	.17	.408	-.26	.60
42	HYALA SPA				1			1	1	.89	95.54	.17	.408	-.26	.60
43	TELLINIDAE				1			1	1	.89	96.43	.17	.408	-.26	.60
44	ECHINOIDEA				1			1	1	.89	97.32	.17	.408	-.26	.60
45	OSTRACOD SPY				1			1	1	.89	98.21	.17	.408	-.26	.60
46	SCUTOPUS SPA				1			1	1	.89	99.11	.17	.408	-.26	.60
47	PINNOTHERIDAE				1			1	1	.89	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	10	14	9	21	9	19								
	NO. OF INDIVIDUALS	12	26	11	31	10	22	112							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	III	47	112	5.0404	.9653	1.0213

STATION 3 TRANSECT III PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA	6		2	1	2	2	13	5	7.51	7.51	2.17	2.041	.02	4.31
2	SIGAMBRA TENIACULATA	4	1			3	4	12	4	6.94	14.45	2.00	1.897	.01	3.99
3	NEMERTINEA	2	3	4			3	12	4	6.94	21.39	2.00	1.673	.24	3.76
4	ALTERNOCHELATA SPA	2	3		3	2	1	11	5	6.36	27.75	1.83	1.169	.61	3.06
5	PITAR CORDATUS	5	3		2		1	11	4	6.36	34.10	1.83	1.941	-.20	3.87
6	AGLAOPHAMUS CIRCINATA	4	1		2	1	1	9	5	5.20	39.31	1.50	1.378	.05	2.95
7	THYASIRA PYGMAEA	3			2	2	2	9	4	5.20	44.51	1.50	1.225	.21	2.79
8	PARAONIS GRACILIS		2	1		1	3	7	4	4.05	48.55	1.17	1.169	-.06	2.39
9	DENTALIUM SOWERBYI	3	1	1				5	3	2.89	51.45	.83	1.169	-.39	2.06
10	STERNASPIS SCUTATA	3		2				5	2	2.89	54.34	.83	1.329	-.56	2.23
11	SIPUNCULA		2		1		1	4	3	2.31	56.65	.67	.816	-.19	1.52
12	PARAONIS SPA		1				2	3	2	1.73	58.38	.50	.837	-.38	1.38
13	NEPHTYS INCISA	2		1				3	2	1.73	60.12	.50	.837	-.38	1.38
14	SANGUINOLARIA SANGUINOLENTA		1			2		3	2	1.73	61.85	.50	.837	-.38	1.38
15	XENANTHURA BREVITELSON		1	2				3	2	1.73	63.58	.50	.837	-.38	1.38
16	SPIOPHANES LONGICIRRUS				2	1		3	2	1.73	65.32	.50	.837	-.38	1.38
17	THYASIRA SPA					3		3	1	1.73	67.05	.50	1.225	-.79	1.79
18	NINOE NIGRIPES		1				2	3	2	1.73	68.79	.50	.837	-.38	1.38
19	COSSURA DELTA	1					1	2	2	1.16	69.94	.33	.516	-.21	.88
20	AEDICIRA BELGICAE		1			1		2	2	1.16	71.10	.33	.516	-.21	.88
21	TEREBELLIDES STROEMII			1		1		2	2	1.16	72.25	.33	.516	-.21	.88
22	OWENIA FUSIFORMIS			1			1	2	2	1.16	73.41	.33	.516	-.21	.88
23	SYLLIS SPC	1					1	2	2	1.16	74.57	.33	.516	-.21	.88
24	ONUPHIS SPB	2						2	1	1.16	75.72	.33	.816	-.52	1.19
25	FALCIDENS SPA	1		1				2	2	1.16	76.88	.33	.516	-.21	.88
26	NUCULANA ACUTA				1		1	2	2	1.16	78.03	.33	.516	-.21	.88
27	THARYX ANNULOSUS					2		2	1	1.16	79.19	.33	.816	-.52	1.19
28	STHENELAIS BOA	1					1	2	2	1.16	80.35	.33	.516	-.21	.88
29	HYALA SPA					2		2	1	1.16	81.50	.33	.816	-.52	1.19
30	PARALACYDONIA PARADOXA		1				1	2	2	1.16	82.66	.33	.516	-.21	.88
31	POECILOCHAETUS JOHNSONI		1					1	1	.58	83.24	.17	.408	-.26	.60
32	BYBLIS CF AFFINIS	1						1	1	.58	83.82	.17	.408	-.26	.60
33	HETEROPHOXUS CF OCULATUS	1						1	1	.58	84.39	.17	.408	-.26	.60
34	ANCISTROSYLLIS GROENLANDICA		1					1	1	.58	84.97	.17	.408	-.26	.60
35	LEPADOMORPHA	1						1	1	.58	85.55	.17	.408	-.26	.60
36	ARMANDIA MACULATA	1						1	1	.58	86.13	.17	.408	-.26	.60
37	ANOPLODACTYLUS PETIOLATUS	1						1	1	.58	86.71	.17	.408	-.26	.60
38	GLYCERA TESSELATA				1			1	1	.58	87.28	.17	.408	-.26	.60
39	CUSPIDARIA MEDIA					1		1	1	.58	87.86	.17	.408	-.26	.60
40	MOIRA ATROPOS		1					1	1	.58	88.44	.17	.408	-.26	.60
41	ONUPHIS SPA						1	1	1	.58	89.02	.17	.408	-.26	.60
42	MALDANIDAE						1	1	1	.58	89.60	.17	.408	-.26	.60
43	AMPHARETIDAE					1		1	1	.58	90.17	.17	.408	-.26	.60
44	OSTRACOD SPD					1		1	1	.58	90.75	.17	.408	-.26	.60
45	ECHINODERMATA				1			1	1	.58	91.33	.17	.408	-.26	.60
46	SEGUENZIA MONOCINGULATA						1	1	1	.58	91.91	.17	.408	-.26	.60
47	SPIONIDAE	1						1	1	.58	92.49	.17	.408	-.26	.60
48	VOLVULELLA TEXASIANA	1						1	1	.58	93.06	.17	.408	-.26	.60
49	CHLOEIA VIRIDIS		1					1	1	.58	93.64	.17	.408	-.26	.60
50	DIPLODONTA SPA		1					1	1	.58	94.22	.17	.408	-.26	.60
51	THARYX MARIONI			1				1	1	.58	94.80	.17	.408	-.26	.60
52	CALLIANASSA LATISPINA				1			1	1	.58	95.38	.17	.408	-.26	.60
53	GONIADA MACULATA				1			1	1	.58	95.95	.17	.408	-.26	.60
54	CIRRATULIDAE				1			1	1	.58	96.53	.17	.408	-.26	.60

55 NATICIDAE						1	1	1	.58	97.11	.17	.408	-.26	.60
56 HARBANSUS PAUCICHELATUS	1						1	1	.58	97.69	.17	.408	-.26	.60
57 ONUPHIDAE						1	1	1	.58	98.27	.17	.408	-.26	.60
58 PLATYHELMINTHES				1			1	1	.58	98.84	.17	.408	-.26	.60
59 SPIOPHANES SPA	1						1	1	.58	99.42	.17	.408	-.26	.60
60 AMPELISCA ABDITA	1						1	1	.58	100.00	.17	.408	-.26	.60

NO. OF SPECIES	25	19	11	14	16	22	
NO. OF INDIVIDUALS	50	27	17	20	26	33	173

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	III	60	173	5.2730	.9683	.9833

STATION 4 TRANSECT III PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	MAGELONA PHYLLISAE	158	199	145	167	225	174	1068	6	23.05	23.05	178.00	29.244	147.31	208.69
2	MEDIOMASTUS CALIFORNIENSIS	108	56	105	69	62	101	501	6	10.81	33.86	83.50	23.654	58.67	108.33
3	LUMBRINERIS PARVAPEDATA	87	79	127	100	38	55	486	6	10.49	44.35	81.00	31.755	47.67	114.33
4	THARYX ANNULOSUS	39	29		45	56	22	191	5	4.12	48.47	31.83	19.631	11.23	52.44
5	PARAONIDES LYRA	34	36	24	21	13	55	183	6	3.95	52.42	30.50	14.707	15.06	45.94
6	SPIOPHANES BOMBYX	20	26	5	22	29	34	136	6	2.93	55.35	22.67	9.993	12.18	33.16
7	POLYCHAETE SPA	42	7		10	21	33	113	5	2.44	57.79	18.83	16.216	1.81	35.85
8	DIPLODONTA CF SOROR	8	29	44	10	13		104	5	2.24	60.03	17.33	16.170	.36	34.31
9	APSEUDES SPA	7	8	65	13	3	3	99	6	2.14	62.17	16.50	24.048	-8.74	41.74
10	ARICIDEA TAYLORI	23	18	14	9	20	11	95	6	2.05	64.22	15.83	5.419	10.15	21.52
11	MAGELONA PETTIBONEAE	18	23	10	10	18	13	92	6	1.99	66.21	15.33	5.203	9.87	20.79
12	CORBULA SWIFTIANA	20	19	14	25	9		87	5	1.88	68.08	14.50	8.961	5.09	23.91
13	PRIONOSPIO CRISTATA	16	8	19	12	9	18	82	6	1.77	69.85	13.67	4.676	8.76	18.57
14	COSSURA DELTA	15		26		9	14	64	4	1.38	71.23	10.67	9.953	.22	21.11
15	AMPELISCA AGASSIZI		1	53	2	4	1	61	5	1.32	72.55	10.17	21.028	-11.90	32.24
16	AGLAOPHAMUS VERRILLI	2	10	5	11	12	18	58	6	1.25	73.80	9.67	5.610	3.78	15.55
17	AMPELISCA SPB	16	2	28	2	5		53	5	1.14	74.95	8.83	10.998	-2.71	20.38
18	NEMERTINEA	11	8	10	11	3	4	47	6	1.01	75.96	7.83	3.545	4.11	11.55
19	ARICIDEA JEFFREYSII	10	8	7	8	6	6	45	6	.97	76.93	7.50	1.517	5.91	9.09
20	PARAONIS GRACILIS	10	2	8	10	6	5	41	6	.88	77.82	6.83	3.125	3.55	10.11
21	AGLAOPHAMUS CIRCINATA	3	12	2	8	8	4	37	6	.80	78.61	6.17	3.817	2.16	10.17
22	CLYMENELLA TORQUATA	7	13	1	12		2	35	5	.76	79.37	5.83	5.707	-.16	11.82
23	TELLINIDAE	7	3		8	10	6	34	5	.73	80.10	5.67	3.615	1.87	9.46
24	LUMBRINERIS TENUIS	10	8	6	3	4	2	33	6	.71	80.82	5.50	3.082	2.26	8.74
25	AMPELISCA VERRILLI	2	3	3	1	13	9	31	6	.67	81.48	5.17	4.750	.18	10.15
26	PARAONIDAE		5		2	9	15	31	4	.67	82.15	5.17	5.913	-1.04	11.37
27	ARICIDEA WASSI	4	3	3	1	6	13	30	6	.65	82.80	5.00	4.243	.55	9.45
28	AEDICIRA BELGICAE	14	5	7		4		30	4	.65	83.45	5.00	5.215	-.47	10.47
29	TEREBELLIDES STROEMII	2	8	3	3	10	3	29	6	.63	84.07	4.83	3.312	1.36	8.31
30	AMAEANA TRILOBATA	12		2	8		7	29	4	.63	84.70	4.83	4.916	-.33	9.99
31	SIPUNCULA	1	4	2	2	8	11	28	6	.60	85.30	4.67	3.983	.49	8.85
32	LISTRIELLA BARNARDI	6	6	1	5	9	1	28	6	.60	85.91	4.67	3.141	1.37	7.96
33	NEPHTYIDAE	10	9	6		2	1	28	5	.60	86.51	4.67	4.274	.18	9.15
34	AMPELISCA CF CRISTATA	4	4	13	1		2	24	5	.52	87.03	4.00	4.690	-.92	8.92
35	LUCINA AMIANTUS	2	2	6	1	10	1	22	6	.47	87.51	3.67	3.615	-.13	7.46
36	THARYX MARIONI		1	3		11	6	21	4	.45	87.96	3.50	4.324	-1.04	8.04
37	MINUSPIO CIRRIFERA	6	4	6	4			20	4	.43	88.39	3.33	2.733	.47	6.20
38	ANADARA TRANSVERSA	1	14		2	3		20	4	.43	88.82	3.33	5.354	-2.29	8.95
39	GYPTIS VITTATA	2	11	1	2	1	2	19	6	.41	89.23	3.17	3.869	-.89	7.23
40	SPIONIDAE		4	8	1	3	2	18	5	.39	89.62	3.00	2.828	.03	5.97
41	NATICA CANRENA	5		2	3	7		17	4	.37	89.99	2.83	2.787	-.09	5.76
42	SYNCHELIDIUM CF AMERICANUM	6	1	2	1	4	2	16	6	.35	90.33	2.67	1.966	.60	4.73
43	CYCLASPIS VARIANS	7	5	1		1	2	16	5	.35	90.68	2.67	2.733	-.20	5.53
44	MUNNA SP	1	9			4		14	3	.30	90.98	2.33	3.615	-1.46	6.13
45	NETAMELITA BARNARDI	8	2	2			1	13	4	.28	91.26	2.17	2.994	-.98	5.31
46	SIGAMBRA TENTACULATA	1	2	8		1		12	4	.26	91.52	2.00	3.033	-1.18	5.18
47	DIOPATRA CUPREA		10		2			12	2	.26	91.78	2.00	4.000	-2.20	6.20
48	PARAPRIONOSPIO PINNATA	4	1	2	1	2	2	12	6	.26	92.04	2.00	1.095	.85	3.15
49	NUCULA PROXIMA	2	3	6				11	3	.24	92.27	1.83	2.401	-.69	4.35
50	ABRA AEQUALIS	2	5			2	1	10	4	.22	92.49	1.67	1.862	-.29	3.62
51	GLYCERA CAPITATA	5		3	2			10	3	.22	92.71	1.67	2.066	-.50	3.83
52	OXYUROSTYLIS SP	2		1	3	2	2	10	5	.22	92.92	1.67	1.033	.58	2.75
53	LUMBRINERIS JANUARII	2		4	2		2	10	4	.22	93.14	1.67	1.506	.09	3.25
54	CIRRATULID-B	5	2			2	1	10	4	.22	93.35	1.67	1.862	-.29	3.62

55	CIRRATULIDAE		3		6			9	2	.19	93.55	1.50	2.510	-1.13	4.13
56	CADULUS CAROLINENSIS	2	3		3	1		9	4	.19	93.74	1.50	1.378	.05	2.95
57	PARAMPHINOME PULCHELLA	1			4	1	2	8	4	.17	93.91	1.33	1.506	-.25	2.91
58	MONOCULOIDES SPB	3	2		3			8	3	.17	94.09	1.33	1.506	-.25	2.91
59	HEMICYCLOPS SP	2	3	3				8	3	.17	94.26	1.33	1.506	-.25	2.91
60	TERERRA PROTEXTA	2	1		2	2	1	8	5	.17	94.43	1.33	.816	.48	2.19
61	LUCINA MULTILINEATA	1	1	1	1	1	2	7	6	.15	94.58	1.17	.408	.74	1.60
62	TEREBELLIDAE					7		7	1	.15	94.73	1.17	2.858	-1.83	4.17
63	ALBUNEA GIBBESII					5	2	7	2	.15	94.89	1.17	2.041	-.98	3.31
64	PARASTEROPE LATA	1	1	1	2	1	1	7	6	.15	95.04	1.17	.408	.74	1.60
65	EULIMA HEMPHILLI	1	1		3	2		7	4	.15	95.19	1.17	1.169	-.06	2.39
66	TELLINA VERSICOLOR	1	1	2	1	1		6	5	.13	95.32	1.00	.632	.34	1.66
67	AGLAOPHAMUS SP				6			6	1	.13	95.45	1.00	2.449	-1.57	3.57
68	ARICIDEA CF FRAGILIS				6			6	1	.13	95.58	1.00	2.449	-1.57	3.57
69	PAGURUS SP				6			6	1	.13	95.71	1.00	2.449	-1.57	3.57
70	PISTA CRISTATA		2	2	1		1	6	4	.13	95.84	1.00	.894	.06	1.94
71	MALDANIDAE		2		3		1	6	3	.13	95.96	1.00	1.265	-.33	2.33
72	STHENELAIS BOA		3	2		1		6	3	.13	96.09	1.00	1.265	-.33	2.33
73	SPIOPHANES LONGICIRRUS				4		1	5	2	.11	96.20	.83	1.602	-.85	2.51
74	NOTOMASTUS CF LATERICEUS	1	2		2			5	3	.11	96.31	.83	.983	-.20	1.87
75	CALLIANASSA BIFORMIS		2	1	1	1		5	4	.11	96.42	.83	.753	.04	1.62
76	OPHIUROIDEA	1	4					5	2	.11	96.53	.83	1.602	-.85	2.51
77	ISOLDA PULCHELLA	1	1	2			1	5	4	.11	96.63	.83	.753	.04	1.62
78	ZOANTHARIA		4			1		5	2	.11	96.74	.83	1.602	-.85	2.51
79	OWENIA FUSIFORMIS	2	3					5	2	.11	96.85	.83	1.329	-.56	2.23
80	AMPHILOCHUS SP		5					5	1	.11	96.96	.83	2.041	-1.31	2.98
81	OGYRIDES LIMICOLA						5	5	1	.11	97.07	.83	2.041	-1.31	2.98
82	CERATOCEPHALE OCULATA			4		1		5	2	.11	97.17	.83	1.602	-.85	2.51
83	DIOPATRA CF NEOTRIDENS	1		2			1	4	3	.09	97.26	.67	.816	-.19	1.52
84	AMAEANA ACCRAENSIS		3	1				4	2	.09	97.35	.67	1.211	-.60	1.94
85	CAPITELLIDAE		2		1	1		4	3	.09	97.43	.67	.816	-.19	1.52
86	HAPLOSCOLOPLOS FOLIOSUS					1	2	3	2	.06	97.50	.50	.837	-.38	1.38
87	PHOTIS SPB	1			2			3	2	.06	97.56	.50	.837	-.38	1.38
88	CALLIANASSA SP		3					3	1	.06	97.63	.50	1.225	-.79	1.79
89	DRILONEREIS MAGNA	1		2				3	2	.06	97.69	.50	.837	-.38	1.38
90	PHORONIDA	2					1	3	2	.06	97.76	.50	.837	-.38	1.38
91	EUCERAMUS PRAELONGUS		3					3	1	.06	97.82	.50	1.225	-.79	1.79
92	TURRIDAE		1	1		1		3	3	.06	97.89	.50	.548	-.07	1.07
93	NATICA SP		3					3	1	.06	97.95	.50	1.225	-.79	1.79
94	CHAETOZONE SETOSA				2			2	1	.04	97.99	.33	.816	-.52	1.19
95	TURBONILLA PORTORICANA					2		2	1	.04	98.04	.33	.816	-.52	1.19
96	SCHISTOMERINGOS RUDOLPHI	1			1			2	2	.04	98.08	.33	.516	-.21	.88
97	PARAMETOPELLA TEXENSIS		1		1			2	2	.04	98.12	.33	.516	-.21	.88
98	MERCENARIA CAMPECHIENSIS				1	1		2	2	.04	98.17	.33	.516	-.21	.88
99	MAGELONA ROSEA	1					1	2	2	.04	98.21	.33	.516	-.21	.88
100	ORBINIIDAE				1	1		2	2	.04	98.25	.33	.516	-.21	.88
101	AUTOMATE SP		2					2	1	.04	98.30	.33	.816	-.52	1.19
102	NUCULANA ACUTA				1	1		2	2	.04	98.34	.33	.516	-.21	.88
103	PLATYHELMINTHES						2	2	1	.04	98.38	.33	.816	-.52	1.19
104	LEPTOCHELA SERRATORBITA	1					1	2	2	.04	98.42	.33	.516	-.21	.88
105	SCOLELEPIS SP					2		2	1	.04	98.47	.33	.816	-.52	1.19
106	ARMANDIA AGILIS		1				1	2	2	.04	98.51	.33	.516	-.21	.88
107	AMPHARETE ACUTIFRONS		2					2	1	.04	98.55	.33	.816	-.52	1.19
108	GLYCERA PAPILLOSA		2					2	1	.04	98.60	.33	.816	-.52	1.19
109	NEREID(NICON) SPA		2					2	1	.04	98.64	.33	.816	-.52	1.19
110	NEREIS LAMELLOSA		2					2	1	.04	98.68	.33	.816	-.52	1.19
111	SAMYTHELLA ELIASONI				1	1		2	2	.04	98.73	.33	.516	-.21	.88
112	APOPRIONOSPIO PYGMAEA					2		2	1	.04	98.77	.33	.816	-.52	1.19
113	BATEA SP		1		1			2	2	.04	98.81	.33	.516	-.21	.88
114	PINNOTHERIDAE	1	1					2	2	.04	98.86	.33	.516	-.21	.88
115	CYCLASPIS SPB					2		2	1	.04	98.90	.33	.816	-.52	1.19
116	ALIGENA TEXASIANA		2					2	1	.04	98.94	.33	.816	-.52	1.19

117	PALEANOTUS HETEROSETA				2				2	1	.04	98.99	.33	.816	-.52	1.19
118	SINUM MACULATUM			1					1	1	.02	99.01	.17	.408	-.26	.60
119	SCOLARICIA SPA	1							1	1	.02	99.03	.17	.408	-.26	.60
120	NASSARIUS ACUTUS					1			1	1	.02	99.05	.17	.408	-.26	.60
121	NOTOMASTUS CF AMERICANUS	1							1	1	.02	99.07	.17	.408	-.26	.60
122	CREPIDULA CF FORNICATA				1				1	1	.02	99.09	.17	.408	-.26	.60
123	TRACHYPENAEUS SP			1					1	1	.02	99.12	.17	.408	-.26	.60
124	ERICHTHONIAS BRASILIENSIS		1						1	1	.02	99.14	.17	.408	-.26	.60
125	MOIRA ATROPOS				1				1	1	.02	99.16	.17	.408	-.26	.60
126	SPHAEROSYLLIS CF SUBLAEVIS						1		1	1	.02	99.18	.17	.408	-.26	.60
127	SQUILLA EMPUSA			1					1	1	.02	99.20	.17	.408	-.26	.60
128	SPIOPHANES SPA		1						1	1	.02	99.22	.17	.408	-.26	.60
129	GRUBEULEPIS CF MEXICANUS	1							1	1	.02	99.24	.17	.408	-.26	.60
130	SARSIELLA SPF	1							1	1	.02	99.27	.17	.408	-.26	.60
131	CAULLERIELLA SPA				1				1	1	.02	99.29	.17	.408	-.26	.60
132	MICROSPIO PIGMENTATA		1						1	1	.02	99.31	.17	.408	-.26	.60
133	CIRRATULID SPA		1						1	1	.02	99.33	.17	.408	-.26	.60
134	GRUBEULEPIS SP		1						1	1	.02	99.35	.17	.408	-.26	.60
135	MAGELONA SP				1				1	1	.02	99.37	.17	.408	-.26	.60
136	TANAID SPC			1					1	1	.02	99.40	.17	.408	-.26	.60
137	MULINIA LATERALIS		1						1	1	.02	99.42	.17	.408	-.26	.60
138	EULIMA BIFASCIATA		1						1	1	.02	99.44	.17	.408	-.26	.60
139	ARMANDIA MACULATA			1					1	1	.02	99.46	.17	.408	-.26	.60
140	PERSEPHONA CRINITA	1							1	1	.02	99.48	.17	.408	-.26	.60
141	PODOCERUPSIS SP		1						1	1	.02	99.50	.17	.408	-.26	.60
142	ONUPHIS EREMITA	1							1	1	.02	99.53	.17	.408	-.26	.60
143	VENERIDAE			1					1	1	.02	99.55	.17	.408	-.26	.60
144	RUTIDERMA SPC						1		1	1	.02	99.57	.17	.408	-.26	.60
145	BRYOZOA					1			1	1	.02	99.59	.17	.408	-.26	.60
146	PYTHINELLA CUNEATA				1				1	1	.02	99.61	.17	.408	-.26	.60
147	NOTOMASTUS AMERICANUS			1					1	1	.02	99.63	.17	.408	-.26	.60
148	AMPHARETE AMERICANA			1					1	1	.02	99.65	.17	.408	-.26	.60
149	HEXAPANOPEUS ANGUSTIFRONS		1						1	1	.02	99.68	.17	.408	-.26	.60
150	XANTHIDAE				1				1	1	.02	99.70	.17	.408	-.26	.60
151	SCOLOPLOS RUBRA			1					1	1	.02	99.72	.17	.408	-.26	.60
152	OLIVA SAYANA						1		1	1	.02	99.74	.17	.408	-.26	.60
153	SICYONIA DORSALIS	1							1	1	.02	99.76	.17	.408	-.26	.60
154	ACTEON PUNCTOSTRIATUS					1			1	1	.02	99.78	.17	.408	-.26	.60
155	HARBANUS PAUCICHELATUS				1				1	1	.02	99.81	.17	.408	-.26	.60
156	SPIOCHAETOPTERUS COSTARUM				1				1	1	.02	99.83	.17	.408	-.26	.60
157	VOLVULELLA TEXASIANA					1			1	1	.02	99.85	.17	.408	-.26	.60
158	NEREIDAE					1			1	1	.02	99.87	.17	.408	-.26	.60
159	DIOGENIDAE		1						1	1	.02	99.89	.17	.408	-.26	.60
160	OLIVELLA DEALBATA						1		1	1	.02	99.91	.17	.408	-.26	.60
161	STHENELAIS LIMICOLA	1							1	1	.02	99.94	.17	.408	-.26	.60
162	LUMBRINERIS SP					1			1	1	.02	99.96	.17	.408	-.26	.60
163	ARABELLA MUTANS	1							1	1	.02	99.98	.17	.408	-.26	.60
164	TEREBRIDAE	1							1	1	.02	100.00	.17	.408	-.26	.60

NO. OF SPECIES	80	93	67	79	75	63
NO. OF INDIVIDUALS	825	812	846	711	743	697	4634

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	III	164	4634	4.9019	.9154	.2744

STATION 5 TRANSECT III PERIOD 77WINTER

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 PARAPRIONOSPIO PINNATA	6	6	2	3	13	8	38	6	14.29	14.29	6.33	3.933	2.21	10.46
2 EUDORELLA MONODON	6	2		3	7	7	25	5	9.40	23.68	4.17	2.927	1.09	7.24
3 NEPHTYS INCISA	3	6		4	5	6	24	5	9.02	32.71	4.00	2.280	1.61	6.39
4 LUMBRINERIS PARVAPEDATA	5	1	1	4	9	2	22	6	8.27	40.98	3.67	3.077	.44	6.90
5 HYALA SPA	1		1	16	3		21	4	7.89	48.87	3.50	6.221	-3.03	10.03
6 NOTOMASTUS CF LATERICEUS	3	1		3	5	3	15	5	5.64	54.51	2.50	1.761	.65	4.35
7 AMPELISCA ABDITA	2	1	3	3	3	1	13	6	4.89	59.40	2.17	.983	1.13	3.20
8 VITRINELLA FLORIDANA		2	1	6	4		13	4	4.89	64.29	2.17	2.401	-.35	4.69
9 COSSURA DELTA	3	1	1	2	2	1	10	6	3.76	68.05	1.67	.816	.81	2.52
10 NEMERTINEA		1		6	1	2	10	4	3.76	71.80	1.67	2.251	-.70	4.03
11 SPIONIDAE	1			1	7		9	3	3.38	75.19	1.50	2.739	-1.37	4.37
12 AMPELISCA VERRILLI	1			2	1	2	6	4	2.26	77.44	1.00	.894	.06	1.94
13 MAGELONA LONGICORNIS	1	1	1		1	2	6	5	2.26	79.70	1.00	.632	.34	1.66
14 MEDIOMASTUS CALIFORNIENSIS	1			3			4	2	1.50	81.20	.67	1.211	-.60	1.94
15 NEREID(NICON) SPA	1	2		1			4	3	1.50	82.71	.67	.816	-.19	1.52
16 ARMANDIA MACULATA	2			1			3	2	1.13	83.83	.50	.837	-.38	1.38
17 MINUSPIO CIRRIFERA				3			3	1	1.13	84.96	.50	1.225	-.79	1.79
18 NINOE NIGRIPES				1	1	1	3	3	1.13	86.09	.50	.548	-.07	1.07
19 PARAONIS SPA				1		1	2	2	.75	86.84	.33	.516	-.21	.88
20 ARICIDEA JEFFREYSII				2			2	1	.75	87.59	.33	.816	-.52	1.19
21 CIRROPHORUS LYRIFORMIS				2			2	1	.75	88.35	.33	.816	-.52	1.19
22 MAGELONA ROSEA	1					1	2	2	.75	89.10	.33	.516	-.21	.88
23 SIGAMBRA TENTACULATA					1	1	2	2	.75	89.85	.33	.516	-.21	.88
24 PARAONIDAE						2	2	1	.75	90.60	.33	.816	-.52	1.19
25 DRILONEREIS MAGNA		1			1		2	2	.75	91.35	.33	.516	-.21	.88
26 NEPHTYIDAE			2				2	1	.75	92.11	.33	.816	-.52	1.19
27 PARAONIS GRACILIS	1			1			2	2	.75	92.86	.33	.516	-.21	.88
28 MAGELONA PHYLLISAE	1						1	1	.38	93.23	.17	.408	-.26	.60
29 OPHIOGLYCERA CF DISTORTA					1		1	1	.38	93.61	.17	.408	-.26	.60
30 SYNCHELIDIUM CF AMERICANUM				1			1	1	.38	93.98	.17	.408	-.26	.60
31 APSEUDES SPA	1						1	1	.38	94.36	.17	.408	-.26	.60
32 PARAONIDES LYRA				1			1	1	.38	94.74	.17	.408	-.26	.60
33 THARYX ANNULOSUS	1						1	1	.38	95.11	.17	.408	-.26	.60
34 CAPITELLIDAE						1	1	1	.38	95.49	.17	.408	-.26	.60
35 SPIOPHANES SPA				1			1	1	.38	95.86	.17	.408	-.26	.60
36 AMPHARETE ACUTIFRONS		1					1	1	.38	96.24	.17	.408	-.26	.60
37 AMPELISCA AGASSIZI		1					1	1	.38	96.62	.17	.408	-.26	.60
38 PINNOTHERIDAE				1			1	1	.38	96.99	.17	.408	-.26	.60
39 ALPHEUS FLORIDANUS				1			1	1	.38	97.37	.17	.408	-.26	.60
40 PRIONOSPIO CRISTATA				1			1	1	.38	97.74	.17	.408	-.26	.60
41 CORBULA SWIFTIANA				1			1	1	.38	98.12	.17	.408	-.26	.60
42 AEDICIRA BELGICAE	1						1	1	.38	98.50	.17	.408	-.26	.60
43 SCOLELEPIS TEXANA	1						1	1	.38	98.87	.17	.408	-.26	.60
44 NUCULANA CONCENTRICA				1			1	1	.38	99.25	.17	.408	-.26	.60
45 OPHIUROIDEA				1			1	1	.38	99.62	.17	.408	-.26	.60
46 AUTOMATE EVERMANNI					1		1	1	.38	100.00	.17	.408	-.26	.60
NO. OF SPECIES	21	14	8	30	18	16								
NO. OF INDIVIDUALS	43	27	12	77	66	41	266							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	III	46	266	4.5102	.9385	.7609

STATION 6 TRANSECT III PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIPUNCULA	3	3	3	4	6	4	23	6	15.23	15.23	3.83	1.169	2.61	5.06
2	SIGAMBRA TENTACULATA	4	2	3		1	2	12	5	7.95	23.18	2.00	1.414	.52	3.48
3	PITAR CORDATUS		3	2		3	2	10	4	6.62	29.80	1.67	1.366	.23	3.10
4	CYCLOCARDIA ARMILLA		3		1	2	3	9	4	5.96	35.76	1.50	1.378	.05	2.95
5	PARAONIS GRACILIS		2	2	1		2	7	4	4.64	40.40	1.17	.983	.13	2.20
6	THYASIRA PYGMAEA			2		4		6	2	3.97	44.37	1.00	1.673	-.76	2.76
7	OSTRACOD SPAA	1		1	2	2		6	4	3.97	48.34	1.00	.894	.06	1.94
8	NEMERTINEA		1	1	1	1		4	4	2.65	50.99	.67	.516	.12	1.21
9	PARAPRIONOSPIO PINNATA	2	1	1				4	3	2.65	53.64	.67	.816	-.19	1.52
10	ALTERNOCHELATA SPA	1		3				4	2	2.65	56.29	.67	1.211	-.60	1.94
11	DENTALIUM SOWERBYI		1	1			2	4	3	2.65	58.94	.67	.816	-.19	1.52
12	GNATHIA SP		4					4	1	2.65	61.59	.67	1.633	-1.05	2.38
13	HIPPOMEDON CF SERRATUS			3				3	1	1.99	63.58	.50	1.225	-.79	1.79
14	PHILOMEDES SPA		1	1			1	3	3	1.99	65.56	.50	.548	-.07	1.07
15	HETEROPHOXUS CF OCULATUS				3			3	1	1.99	67.55	.50	1.225	-.79	1.79
16	NEPHTYIDAE	1				2		3	2	1.99	69.54	.50	.837	-.38	1.38
17	OSTRACOD SPY	1			1	1		3	3	1.99	71.52	.50	.548	-.07	1.07
18	HYALA SPA	1			2			3	2	1.99	73.51	.50	.837	-.38	1.38
19	SANGUINOLARIA SANGUINOLENTA			2				2	1	1.32	74.83	.33	.816	-.52	1.19
20	CIRROPHORUS BRANCHIATUS			2				2	1	1.32	76.16	.33	.816	-.52	1.19
21	OSTRACOD SPD			1			1	2	2	1.32	77.48	.33	.516	-.21	.88
22	COSSURA DELTA	1		1				2	2	1.32	78.81	.33	.516	-.21	.88
23	TETRAGONODON SPA	2						2	1	1.32	80.13	.33	.816	-.52	1.19
24	CIRRATULIDAE		1		1			2	2	1.32	81.46	.33	.516	-.21	.88
25	PARALACYDONIA PARADOXA			1				1	1	.66	82.12	.17	.408	-.26	.60
26	PARASTEROPE LATA	1						1	1	.66	82.78	.17	.408	-.26	.60
27	AMPELISCA AGASSIZI		1					1	1	.66	83.44	.17	.408	-.26	.60
28	ONUPHIS SPB	1						1	1	.66	84.11	.17	.408	-.26	.60
29	FALCIDENS SPA					1		1	1	.66	84.77	.17	.408	-.26	.60
30	PHYLLODOCE MUCOSA						1	1	1	.66	85.43	.17	.408	-.26	.60
31	OSTRACOD SPMM		1					1	1	.66	86.09	.17	.408	-.26	.60
32	AUTOMATE EVERMANNI						1	1	1	.66	86.75	.17	.408	-.26	.60
33	NEPHTYS INCISA	1						1	1	.66	87.42	.17	.408	-.26	.60
34	TANAID SPI				1			1	1	.66	88.08	.17	.408	-.26	.60
35	MOIRA ATROPOS			1				1	1	.66	88.74	.17	.408	-.26	.60
36	SARSIELLA SPC					1		1	1	.66	89.40	.17	.408	-.26	.60
37	CALIFIA CF CALIDA		1					1	1	.66	90.07	.17	.408	-.26	.60
38	NUCULANA ACUTA					1		1	1	.66	90.73	.17	.408	-.26	.60
39	UNCIOLA SERRATA			1				1	1	.66	91.39	.17	.408	-.26	.60
40	STERNASPIS SCUTATA	1						1	1	.66	92.05	.17	.408	-.26	.60
41	PARAONIS SPA		1					1	1	.66	92.72	.17	.408	-.26	.60
42	EUPANTHALIS KINBERGI					1		1	1	.66	93.38	.17	.408	-.26	.60
43	BYBLIS CF AFFINIS			1				1	1	.66	94.04	.17	.408	-.26	.60
44	AMPELISCA SPA			1				1	1	.66	94.70	.17	.408	-.26	.60
45	THARYX ANNULOSUS			1				1	1	.66	95.36	.17	.408	-.26	.60
46	SCUTOPUS SPA				1			1	1	.66	96.03	.17	.408	-.26	.60
47	CHAETOZONE GAYHEADIA		1					1	1	.66	96.69	.17	.408	-.26	.60
48	OPHIUROIDEA			1				1	1	.66	97.35	.17	.408	-.26	.60
49	CIRRATULID-B	1						1	1	.66	98.01	.17	.408	-.26	.60
50	LAONICE CIRRATA			1				1	1	.66	98.68	.17	.408	-.26	.60
51	GYPTIS VITTATA			1				1	1	.66	99.34	.17	.408	-.26	.60
52	SABELLIDAE			1				1	1	.66	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	15	16	26	11	13	10								
	NO. OF INDIVIDUALS	22	27	39	18	26	19	151							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

STATION 1 TRANSECT IV PERIOD 77WINTER

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 LUMBRINERIS PARVAPEDATA	70	66	43	68	39	60	346	6	21.68	21.68	57.67	13.397	43.61	71.73
2 NEREID(NICON) SPA	23	17	11	22	12	14	99	6	6.20	27.88	16.50	5.089	11.16	21.84
3 SPIONIDAE	33	18	8	19	9	1	88	6	5.51	33.40	14.67	11.219	2.89	26.44
4 SIPUNCULA	9	16	14	11	9	21	80	6	5.01	38.41	13.33	4.676	8.43	18.24
5 CERATONEREIS IRRITABILIS	9	5	14	11	20	9	68	6	4.26	42.67	11.33	5.164	5.91	16.75
6 PRIONOSPIO STEENSTRUPI	2	7	16	0	16	19	60	5	3.76	46.43	10.00	8.075	1.52	18.48
7 THARYX ANNULOSUS	9	22	3	8	6	10	58	6	3.63	50.06	9.67	6.532	2.81	16.52
8 MAGELONA PHYLLISAE	3	10	7	9	15	7	51	6	3.20	53.26	8.50	3.987	4.31	12.69
9 NEMERTINEA	3	9	13	5	11	6	47	6	2.94	56.20	7.83	3.817	3.83	11.84
10 PARAONIDES LYRA	20	8	3	3	7	3	44	6	2.76	58.96	7.33	6.593	.41	14.25
11 THARYX MARIONI	6	10	5	11	6	0	38	5	2.38	61.34	6.33	3.933	2.21	10.46
12 NOTOMASTUS CF LATERICEUS	8	1	5	1	8	10	33	6	2.07	63.41	5.50	3.834	1.48	9.52
13 CORBULA SWIFTIANA	2	4	3	7	14	2	32	6	2.01	65.41	5.33	4.633	.47	10.20
14 PARAPRIONOSPIO PINNATA	7	7	1	4	4	8	31	6	1.94	67.36	5.17	2.639	2.40	7.94
15 MAGELONA PETTIBONEAE	1	6	4	2	8	5	26	6	1.63	68.98	4.33	2.582	1.62	7.04
16 MALDANIDAE	9	3	3	4	3	0	22	5	1.38	70.36	3.67	2.944	.58	6.76
17 CIRRATULID-B	3	1	6	4	3	3	20	6	1.25	71.62	3.33	1.633	1.62	5.05
18 LUMBRINERIS TENUIS	4	2	2	1	1	7	17	6	1.07	72.68	2.83	2.317	.40	5.26
19 COSSURA DELTA	2	3	1	4	4	3	17	6	1.07	73.75	2.83	1.169	1.61	4.06
20 POLYCHAETE SPA	1	3	2	1	7	2	16	6	1.00	74.75	2.67	2.251	.30	5.03
21 CERATOCEPHALE OCULATA	1	9	0	3	1	1	15	5	.94	75.69	2.50	3.332	-1.00	6.00
22 MEDIOMASTUS CALIFORNIENSIS	0	4	2	0	5	3	14	4	.88	76.57	2.33	2.066	.17	4.50
23 TEREBELLIDES STROEMII	1	4	2	2	1	3	13	6	.81	77.38	2.17	1.169	.94	3.39
24 CIRRATULID SPA	7	0	0	4	0	1	12	3	.75	78.13	2.00	2.898	-1.04	5.04
25 ARICIDEA WASSI	2	3	3	2	1	1	12	6	.75	78.88	2.00	.894	1.06	2.94
26 VITRINELLA FLORIDANA	1	1	0	0	2	8	12	4	.75	79.64	2.00	3.033	-1.18	5.18
27 AMPELISCA AGASSIZI	2	1	1	4	3	0	11	5	.69	80.33	1.83	1.472	.29	3.38
28 AMPELISCA CF CRISTATA	0	1	0	6	0	3	10	3	.63	80.95	1.67	2.422	-.88	4.21
29 SCOLOPLOS RUBRA	0	0	1	2	3	4	10	4	.63	81.58	1.67	1.633	-.05	3.38
30 UNCIOLA SERRATA	6	0	0	0	2	1	9	3	.56	82.14	1.50	2.345	-.96	3.96
31 PHOTIS MACROMANUS	4	1	3	1	0	0	9	4	.56	82.71	1.50	1.643	-.22	3.22
32 CLYMENELLA TORQUATA	1	3	2	0	2	1	9	5	.56	83.27	1.50	1.049	.40	2.60
33 CAPITELLIDAE	0	2	2	0	4	0	8	3	.50	83.77	1.33	1.633	-.38	3.05
34 MELINNA MACULATA	1	2	5	0	0	0	8	3	.50	84.27	1.33	1.966	-.73	3.40
35 NOTOMASTUS LATERICEUS	0	0	0	6	2	0	8	2	.50	84.77	1.33	2.422	-1.21	3.88
36 DIPLODONTA CF SOROR	2	0	1	2	3	0	8	4	.50	85.28	1.33	1.211	.06	2.60
37 AMPELISCA VERRILLI	1	0	3	0	0	3	7	3	.44	85.71	1.17	1.472	-.38	2.71
38 LUMBRINERIS ALBIDENTATA	3	0	0	0	0	4	7	2	.44	86.15	1.17	1.835	-.76	3.09
39 ASYCHIS SP	1	0	2	1	2	1	7	5	.44	86.59	1.17	.753	.38	1.96
40 PALEANOTUS HETEROSETA	0	3	0	0	1	2	6	3	.38	86.97	1.00	1.265	-.33	2.33
41 DIOPATRA CUPREA	0	3	3	0	0	0	6	2	.38	87.34	1.00	1.549	-.63	2.63
42 CIRRATULIDAE	0	2	0	2	0	2	6	3	.38	87.72	1.00	1.095	-.15	2.15
43 PARAONIDAE	1	3	1	0	0	1	6	4	.38	88.10	1.00	1.095	-.15	2.15
44 DIOPATRA CF NEOTRIDENS	1	0	0	2	1	2	6	4	.38	88.47	1.00	.894	.06	1.94
45 PARAONIS GRACILIS	0	2	1	0	1	1	5	4	.31	88.78	.83	.753	.04	1.62
46 GLYCERA AMERICANA	1	2	1	1	0	0	5	4	.31	89.10	.83	.753	.04	1.62
47 ARMANDIA MACULATA	2	2	1	0	0	0	5	3	.31	89.41	.83	.983	-.20	1.87
48 SIGAMBRA TENTACULATA	2	0	0	1	1	1	5	4	.31	89.72	.83	.753	.04	1.62
49 DIOPATRA TRIDENTATA	1	0	0	2	1	1	5	4	.31	90.04	.83	.753	.04	1.62
50 HARBANSUS PAUCICHELATUS	1	1	0	0	1	1	4	4	.25	90.29	.67	.516	.12	1.21
51 PSEUDEURYTHOE AMBIGUA	2	0	0	1	1	0	4	3	.25	90.54	.67	.816	-.19	1.52
52 AMPELISCA SPB	3	0	0	0	0	1	4	2	.25	90.79	.67	1.211	-.60	1.94
53 OXYUROSTYLIS SP	1	0	2	1	0	0	4	3	.25	91.04	.67	.816	-.19	1.52
54 MAGELONA ROSEA	0	2	1	1	0	0	4	3	.25	91.29	.67	.816	-.19	1.52

55 ARICIDEA TAYLORI	0	2	1	0	0	1	4	3	.25	91.54	.67	.816	-.19	1.52
56 PISTA BREVIBRANCHIA	0	4	0	0	0	0	4	1	.25	91.79	.67	1.633	-1.05	2.38
57 AMPHARETIDAE	2	0	1	0	1	0	4	3	.25	92.04	.67	.816	-.19	1.52
58 GONEPLACIDAE	2	0	1	1	0	0	4	3	.25	92.29	.67	.816	-.19	1.52
59 AUTOMATE SP	2	1	1	0	0	0	4	3	.25	92.54	.67	.816	-.19	1.52
60 NEREIS LAMELLOSA	1	0	0	1	0	1	3	3	.19	92.73	.50	.548	-.07	1.07
61 NOTOMASTUS AMERICANUS	0	3	0	0	0	0	3	1	.19	92.92	.50	1.225	-.79	1.79
62 LUMBRINERIS SP	0	1	1	1	0	0	3	3	.19	93.11	.50	.548	-.07	1.07
63 ISOLDA PULCHELLA	2	0	0	0	0	1	3	2	.19	93.30	.50	.837	-.38	1.38
64 DRILONEREIS MAGNA	2	0	0	0	1	0	3	2	.19	93.48	.50	.837	-.38	1.38
65 SPIOPHANES SP	0	0	2	1	0	0	3	2	.19	93.67	.50	.837	-.38	1.38
66 LUMBRINERIS JANUARII	0	0	2	1	0	0	3	2	.19	93.86	.50	.837	-.38	1.38
67 NOTOMASTUS CF AMERICANUS	0	0	3	0	0	0	3	1	.19	94.05	.50	1.225	-.79	1.79
68 SPIOPHANES BOMBYX	1	1	1	0	0	0	3	3	.19	94.24	.50	.548	-.07	1.07
69 LEPTOCHELA CF BERMUDENSIS	1	0	2	0	0	0	3	2	.19	94.42	.50	.837	-.38	1.38
70 TELLINIDAE	0	0	1	0	2	0	3	2	.19	94.61	.50	.837	-.38	1.38
71 NATICA SP	2	0	0	0	0	0	2	1	.13	94.74	.33	.816	-.52	1.19
72 MUNNA SP	1	0	0	1	0	0	2	2	.13	94.86	.33	.516	-.21	.88
73 ARABELLA MUTANS	0	0	0	1	0	1	2	2	.13	94.99	.33	.516	-.21	.88
74 MAGELONA SP	0	0	2	0	0	0	2	1	.13	95.11	.33	.816	-.52	1.19
75 SYLLIDAE	1	0	0	1	0	0	2	2	.13	95.24	.33	.516	-.21	.88
76 CHASMOCARCINUS MISSISSIPPIENSIS	0	0	0	0	1	1	2	2	.13	95.36	.33	.516	-.21	.88
77 ASYCHIS CAROLINAE	0	1	0	0	0	1	2	2	.13	95.49	.33	.516	-.21	.88
78 EXOGONE DISPAR	0	1	1	0	0	0	2	2	.13	95.61	.33	.516	-.21	.88
79 NEPHTYIDAE	1	0	0	0	1	0	2	2	.13	95.74	.33	.516	-.21	.88
80 OPHIOGLYCERA CF DISTORTA	0	1	0	0	1	0	2	2	.13	95.86	.33	.516	-.21	.88
81 TEREBRA PROTEXTA	0	1	1	0	0	0	2	2	.13	95.99	.33	.516	-.21	.88
82 PISTA SP	0	0	0	2	0	0	2	1	.13	96.12	.33	.816	-.52	1.19
83 SCOLOPLOS CF ACMECEPS	0	0	1	1	0	0	2	2	.13	96.24	.33	.516	-.21	.88
84 OWENIA FUSIFORMIS	1	0	1	0	0	0	2	2	.13	96.37	.33	.516	-.21	.88
85 SPIOPHANES SPA	2	0	0	0	0	0	2	1	.13	96.49	.33	.816	-.52	1.19
86 EUPANTHALIS KINBERGI	0	0	1	1	0	0	2	2	.13	96.62	.33	.516	-.21	.88
87 ONUPHIS NEBULOSA	1	0	0	1	0	0	2	2	.13	96.74	.33	.516	-.21	.88
88 ANADARA TRANSVERSA	2	0	0	0	0	0	2	1	.13	96.87	.33	.816	-.52	1.19
89 NUCULANA ACUTA	1	0	0	1	0	0	2	2	.13	96.99	.33	.516	-.21	.88
90 CAULLERIELLA SPB	0	0	0	0	0	1	1	1	.06	97.06	.17	.408	-.26	.60
91 AMPHARETE PARVIDENTATA	1	0	0	0	0	0	1	1	.06	97.12	.17	.408	-.26	.60
92 NEOMEGAMPHOPUS SP	0	0	1	0	0	0	1	1	.06	97.18	.17	.408	-.26	.60
93 AMPHARETE ACUTIFRONS	1	0	0	0	0	0	1	1	.06	97.24	.17	.408	-.26	.60
94 LIMA PELLUCIDA	0	0	0	0	1	0	1	1	.06	97.31	.17	.408	-.26	.60
95 SABELLIDAE	0	0	1	0	0	0	1	1	.06	97.37	.17	.408	-.26	.60
96 SABSIELLA SPF	0	0	1	0	0	0	1	1	.06	97.43	.17	.408	-.26	.60
97 PERIPLOMA ORBICULARE	0	0	0	1	0	0	1	1	.06	97.49	.17	.408	-.26	.60
98 MALACOCEROS SP	0	0	0	0	0	1	1	1	.06	97.56	.17	.408	-.26	.60
99 CHAETOZONE GAYHEADIA	0	0	1	0	0	0	1	1	.06	97.62	.17	.408	-.26	.60
100 PILARGIS BERKELYAE	0	0	0	0	0	1	1	1	.06	97.68	.17	.408	-.26	.60
101 CYCLOSTREMISCUS SPA	1	0	0	0	0	0	1	1	.06	97.74	.17	.408	-.26	.60
102 SPIOPHANES WIGLEYI	0	0	1	0	0	0	1	1	.06	97.81	.17	.408	-.26	.60
103 MICROSPIO PIGMENTATA	0	0	1	0	0	0	1	1	.06	97.87	.17	.408	-.26	.60
104 PHYLLODOCE CASTANEA	1	0	0	0	0	0	1	1	.06	97.93	.17	.408	-.26	.60
105 TRACHYPENAEUS SIMILIS	0	1	0	0	0	0	1	1	.06	97.99	.17	.408	-.26	.60
106 SYNCHELIDIUM CF AMERICANUM	0	0	1	0	0	0	1	1	.06	98.06	.17	.408	-.26	.60
107 LYONSIA HYALINA FLORIDANA	0	0	1	0	0	0	1	1	.06	98.12	.17	.408	-.26	.60
108 OPHELIIDAE	0	0	0	0	1	0	1	1	.06	98.18	.17	.408	-.26	.60
109 LAONICE CIRRATA	1	0	0	0	0	0	1	1	.06	98.25	.17	.408	-.26	.60
110 ARICIDEA JEFFREYSII	0	0	0	0	1	0	1	1	.06	98.31	.17	.408	-.26	.60
111 NEPHTYS BUCERA	0	0	0	1	0	0	1	1	.06	98.37	.17	.408	-.26	.60
112 HIPPOMEDON CF SERRATUS	0	0	0	0	0	1	1	1	.06	98.43	.17	.408	-.26	.60
113 GONIADIDAE	0	0	1	0	0	0	1	1	.06	98.50	.17	.408	-.26	.60
114 PARAMPHINOME PULCHELLA	0	0	0	0	0	1	1	1	.06	98.56	.17	.408	-.26	.60
115 PHORONIDA	0	0	1	0	0	0	1	1	.06	98.62	.17	.408	-.26	.60
116 MINUSPIO CIRRIFERA	0	0	1	0	0	0	1	1	.06	98.68	.17	.408	-.26	.60

117 EXOGONE SPA	1	0	0	0	0	0	1	1	.06	98.75	.17	.408	-.26	.60
118 GYPTIS VITTATA	1	0	0	0	0	0	1	1	.06	98.81	.17	.408	-.26	.60
119 PLATYHELMINTHES	1	0	0	0	0	0	1	1	.06	98.87	.17	.408	-.26	.60
120 LUCINA AMIANTUS	1	0	0	0	0	0	1	1	.06	98.93	.17	.408	-.26	.60
121 STHENELAIS BOA	1	0	0	0	0	0	1	1	.06	99.00	.17	.408	-.26	.60
122 PERIPLOMA OBICULARE	0	0	0	1	0	0	1	1	.06	99.06	.17	.408	-.26	.60
123 EXOGONE VERUGERA	0	0	0	0	0	1	1	1	.06	99.12	.17	.408	-.26	.60
124 AMPHICTEIS GUNNERI	0	0	0	0	1	0	1	1	.06	99.19	.17	.408	-.26	.60
125 ASYCHIS ELONGATA	0	0	0	0	0	1	1	1	.06	99.25	.17	.408	-.26	.60
126 PHILINE SAGRA	0	0	0	0	1	0	1	1	.06	99.31	.17	.408	-.26	.60
127 NOTOMASTUS HEMIPODUS	0	0	0	0	0	1	1	1	.06	99.37	.17	.408	-.26	.60
128 PTILANTHURA CF TRICARINA	0	0	1	0	0	0	1	1	.06	99.44	.17	.408	-.26	.60
129 PARAMETOPELLA TEXENSIS	0	1	0	0	0	0	1	1	.06	99.50	.17	.408	-.26	.60
130 MAGELONA LONGICORNIS	1	0	0	0	0	0	1	1	.06	99.56	.17	.408	-.26	.60
131 GLYCERA PAPILLOSA	1	0	0	0	0	0	1	1	.06	99.62	.17	.408	-.26	.60
132 ONUPHIS SPA	0	0	1	0	0	0	1	1	.06	99.69	.17	.408	-.26	.60
133 SCOLELEPIS TEXANA	0	0	0	0	1	0	1	1	.06	99.75	.17	.408	-.26	.60
134 SARSIELLA DISPARALIS	0	0	1	0	0	0	1	1	.06	99.81	.17	.408	-.26	.60
135 AEDICIRA BELGICAE	0	0	0	0	1	0	1	1	.06	99.87	.17	.408	-.26	.60
136 SCHISTOMERINGOS RUDOLPHI	0	0	0	0	1	0	1	1	.06	99.94	.17	.408	-.26	.60
137 LISTRIELLA BARNARDI	0	0	1	0	0	0	1	1	.06	100.00	.17	.408	-.26	.60

NO. OF SPECIES	73	52	71	54	54	54	
NO. OF INDIVIDUALS	309	287	239	256	255	250	1596

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	IV	137	1596	5.2123	.9332	.4088

STATION 2 TRANSECT IV PERIOD 77WINTER

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 PARAPRIONOSPIO PINNATA	4	2	2	1	0	16	25	5	5.04	5.04	4.17	5.947	-2.08	10.41
2 NOTOMASTUS CF LATERICEUS	4	4	0	7	5	3	23	5	4.64	9.68	3.83	2.317	1.40	6.26
3 AEDICIRA BELGICAE	6	7	0	4	0	5	22	4	4.44	14.11	3.67	3.011	.51	6.83
4 MALDANIDAE	5	5	3	1	2	1	17	6	3.43	17.54	2.83	1.835	.91	4.76
5 NEMERTINEA	2	6	2	6	1	0	17	5	3.43	20.97	2.83	2.563	.14	5.52
6 MEDIOMASTUS CALIFORNIENSIS	5	6	0	1	1	1	14	5	2.82	23.79	2.33	2.503	-.29	4.96
7 COSSURA DELTA	0	8	1	1	3	0	13	4	2.62	26.41	2.17	3.061	-1.05	5.38
8 RUTIDERMA SPB	7	0	0	1	2	2	12	4	2.42	28.83	2.00	2.608	-.74	4.74
9 LUMBRINERIS CF MAGALHAENSIS	0	0	0	4	3	5	12	3	2.42	31.25	2.00	2.280	-.39	4.39
10 TANAID SPB	1	1	0	1	2	6	11	5	2.22	33.47	1.83	2.137	-.41	4.08
11 SPIOPHANES SPA	3	0	0	5	0	3	11	3	2.22	35.69	1.83	2.137	-.41	4.08
12 SPIONIDAE	1	2	2	0	1	5	11	5	2.22	37.90	1.83	1.722	.03	3.64
13 LAONICE CIRRATA	4	2	0	0	1	3	10	4	2.02	39.92	1.67	1.633	-.05	3.38
14 HETEROPHOXUS CF OCULATUS	0	0	1	3	0	5	9	3	1.81	41.73	1.50	2.074	-.68	3.68
15 SIPUNCULA	0	2	1	4	1	1	9	5	1.81	43.55	1.50	1.378	.05	2.95
16 SIGAMBRA TENTACULATA	3	1	1	2	1	1	9	6	1.81	45.36	1.50	.837	.62	2.38
17 LUMBRINERIS PARVAPEDATA	0	1	0	3	3	2	9	4	1.81	47.18	1.50	1.378	.05	2.95
18 PARAONIDAE	0	0	5	0	3	0	8	2	1.61	48.79	1.33	2.160	-.93	3.60
19 CORBULA SWIFTIANA	2	4	2	0	0	0	8	3	1.61	50.40	1.33	1.633	-.38	3.05
20 MAGELONA LONGICORNIS	1	0	2	2	2	1	8	5	1.61	52.02	1.33	.816	.48	2.19
21 PARAMPHINOME PULCHELLA	2	0	1	4	1	0	8	4	1.61	53.63	1.33	1.506	-.25	2.91
22 FABRICIA SPA	1	0	0	6	0	0	7	2	1.41	55.04	1.17	2.401	-1.35	3.69
23 THARYX MARIONI	0	0	0	2	5	0	7	2	1.41	56.45	1.17	2.041	-.98	3.31
24 ARICIDEA NEOSUECICA	5	0	0	1	0	1	7	3	1.41	57.86	1.17	1.941	-.87	3.20
25 ONUPHIS SPA	1	1	1	2	1	0	6	5	1.21	59.07	1.00	.632	.34	1.66
26 PARAONIS GRACILIS	0	2	2	1	1	0	6	4	1.21	60.28	1.00	.894	.06	1.94
27 NEPHTYS INCISA	5	0	0	0	0	1	6	2	1.21	61.49	1.00	2.000	-1.10	3.10
28 AUTOMATE EVERMANNI	2	3	0	1	0	0	6	3	1.21	62.70	1.00	1.265	-.33	2.33
29 PARAONIDES LYRA	0	3	0	1	0	1	5	3	1.01	63.71	.83	1.169	-.39	2.06
30 AMPELISCA AGASSIZI	0	5	0	0	0	0	5	1	1.01	64.72	.83	2.041	-1.31	2.98
31 AMPELISCA VERRILLI	2	0	0	2	0	1	5	3	1.01	65.73	.83	.983	-.20	1.87
32 KALLIAPSEUDES SPA	4	1	0	0	0	0	5	2	1.01	66.73	.83	1.602	-.85	2.51
33 SABELLIDAE	0	1	1	0	1	2	5	4	1.01	67.74	.83	.753	.04	1.62
34 ARICIDEA JEFFREYSII	0	4	0	0	0	0	4	1	.81	68.55	.67	1.633	-1.05	2.38
35 ARMANDIA MACULATA	0	0	2	0	0	2	4	2	.81	69.35	.67	1.033	-.42	1.75
36 MARPHYSA SPA	1	0	3	0	0	0	4	2	.81	70.16	.67	1.211	-.60	1.94
37 HARBANUS PAUCICHELATUS	1	0	0	1	1	1	4	4	.81	70.97	.67	.516	.12	1.21
38 POLYCHAETE SPA	0	0	0	2	1	1	4	3	.81	71.77	.67	.816	-.19	1.52
39 MARPHYSA SPB	0	0	0	2	0	2	4	2	.81	72.58	.67	1.033	-.42	1.75
40 PARAONIS SPA	1	0	1	1	0	1	4	4	.81	73.39	.67	.516	.12	1.21
41 PTILANTHURA SPA	2	0	0	0	0	2	4	2	.81	74.19	.67	1.033	-.42	1.75
42 EXOGONE SPA	0	2	0	0	2	0	4	2	.81	75.00	.67	1.033	-.42	1.75
43 CIRRATULID SPA	1	0	0	1	0	1	3	3	.60	75.60	.50	.548	-.07	1.07
44 LUMBRINERIS ALBIDENTATA	2	0	1	0	0	0	3	2	.60	76.21	.50	.837	-.38	1.38
45 GONEPLACIDAE	1	0	1	0	1	0	3	3	.60	76.81	.50	.548	-.07	1.07
46 LUMBRINERIS TENUIS	1	0	1	1	0	0	3	3	.60	77.42	.50	.548	-.07	1.07
47 SARSIELLA CF GREYI	0	0	1	0	1	1	3	3	.60	78.02	.50	.548	-.07	1.07
48 UNCIOLA SERRATA	0	0	1	0	2	0	3	2	.60	78.63	.50	.837	-.38	1.38
49 SARSIELLA GETTLESONI	1	0	0	1	0	1	3	3	.60	79.23	.50	.548	-.07	1.07
50 AMPELISCA ABDITA	0	0	1	0	0	2	3	2	.60	79.84	.50	.837	-.38	1.38
51 THYASIRA SPA	2	0	0	1	0	0	3	2	.60	80.44	.50	.837	-.38	1.38
52 EXOGONE DISPAR	0	0	0	2	1	0	3	2	.60	81.05	.50	.837	-.38	1.38
53 EUDORELLA MONODON	2	0	0	0	0	1	3	2	.60	81.65	.50	.837	-.38	1.38
54 CHONE SP	0	0	0	2	0	0	2	1	.40	82.06	.33	.816	-.52	1.19

57 MAGELONA ROSEA	1	1	0	0	0	0	2	2	.40	83.27	.33	.516	-.21	.88
59 HETEROSPIO LONGISSIMA	0	2	0	0	0	0	2	1	.40	84.07	.33	.816	-.52	1.19
60 LISTRIELLA BARNARDI	0	0	0	0	0	2	2	1	.40	84.48	.33	.816	-.52	1.19
61 GONIADA NORVEGICA	1	0	1	0	0	0	2	2	.40	84.88	.33	.516	-.21	.88
62 PHORONIDA	1	0	0	0	1	0	2	2	.40	85.28	.33	.516	-.21	.88
63 CAPITELLIDAE	0	0	2	0	0	0	2	1	.40	85.69	.33	.816	-.52	1.19
64 OPHIUROIDEA	1	0	0	0	0	1	2	2	.40	86.09	.33	.516	-.21	.88
65 LEPTOCHEIRUS SP	0	0	0	0	0	2	2	1	.40	86.49	.33	.816	-.52	1.19
66 HARBANSUS PAUCICHELATUS	0	0	0	1	1	0	2	2	.40	86.90	.33	.516	-.21	.88
67 PHOTIS MACROMANUS	0	0	2	0	0	0	2	1	.40	87.30	.33	.816	-.52	1.19
68 SYLLIS CORNUTA	0	0	0	0	0	2	2	1	.40	87.70	.33	.816	-.52	1.19
69 PALEANOTUS HETEROSETA	0	0	0	1	1	0	2	2	.40	88.10	.33	.516	-.21	.88
70 MICROSPIO PIGMENTATA	0	0	0	2	0	0	2	1	.40	88.51	.33	.816	-.52	1.19
71 PISTA CRISTATA	0	0	0	2	0	0	2	1	.40	88.91	.33	.816	-.52	1.19
72 ASYCHIS SP	0	0	0	1	1	0	2	2	.40	89.31	.33	.516	-.21	.88
73 CIRROPHORUS BRANCHIATUS	1	0	1	0	0	0	2	2	.40	89.72	.33	.516	-.21	.88
74 NEREID(NICON) SPA	1	0	0	0	1	0	2	2	.40	90.12	.33	.516	-.21	.88
75 AMPELISCA SPA	1	0	0	0	1	0	2	2	.40	90.52	.33	.516	-.21	.88
76 OPHIOGLYCERA CF DISTORTA	0	0	0	0	1	1	2	2	.40	90.93	.33	.516	-.21	.88
77 HEMICYCLOPS SP	0	0	0	0	0	2	2	1	.40	91.33	.33	.816	-.52	1.19
78 NOTOMASTUS HEMIPODUS	0	2	0	0	0	0	2	1	.40	91.73	.33	.816	-.52	1.19
79 PHYLLODOCE MUCOSA	0	0	0	0	0	2	2	1	.40	92.14	.33	.816	-.52	1.19
80 AMPHARETIDAE	1	0	0	0	1	0	2	2	.40	92.54	.33	.516	-.21	.88
81 LUMBRINERIS LATREILLI	0	2	0	0	0	0	2	1	.40	92.94	.33	.816	-.52	1.19
82 CLYMENELLA TORQUATA	0	0	1	0	0	0	1	1	.20	93.15	.17	.408	-.26	.60
83 ONUPHIDAE	1	0	0	0	0	0	1	1	.20	93.35	.17	.408	-.26	.60
84 CERATOCEPHALE OCULATA	1	0	0	0	0	0	1	1	.20	93.55	.17	.408	-.26	.60
85 GLOTTIDIA PYRAMIDATA	0	0	0	1	0	0	1	1	.20	93.75	.17	.408	-.26	.60
86 CERIANTHARIA	0	0	1	0	0	0	1	1	.20	93.95	.17	.408	-.26	.60
87 MARPHYSA SANGUINEA	1	0	0	0	0	0	1	1	.20	94.15	.17	.408	-.26	.60
88 OPHIODROMUS OBSCURUS	1	0	0	0	0	0	1	1	.20	94.35	.17	.408	-.26	.60
89 PILARGIS BERKELYAE	0	0	1	0	0	0	1	1	.20	94.56	.17	.408	-.26	.60
90 AUTOMATE SP	0	0	1	0	0	0	1	1	.20	94.76	.17	.408	-.26	.60
91 AMPHARETE PARVIDENTATA	0	0	0	0	0	1	1	1	.20	94.96	.17	.408	-.26	.60
92 GONIADIDAE	0	0	1	0	0	0	1	1	.20	95.16	.17	.408	-.26	.60
93 AMPHARETE AMERICANA	0	0	0	0	0	1	1	1	.20	95.36	.17	.408	-.26	.60
94 CABIRA INCERTA	1	0	0	0	0	0	1	1	.20	95.56	.17	.408	-.26	.60
95 SYLLIS SPB	0	0	0	1	0	0	1	1	.20	95.77	.17	.408	-.26	.60
96 NUCULA PROXIMA	1	0	0	0	0	0	1	1	.20	95.97	.17	.408	-.26	.60
97 ANOPLODACTYLUS PETIOLATUS	1	0	0	0	0	0	1	1	.20	96.17	.17	.408	-.26	.60
98 APSEUDES SPA	0	0	0	0	0	1	1	1	.20	96.37	.17	.408	-.26	.60
99 CHIONE CLENCHI	0	0	0	0	0	1	1	1	.20	96.57	.17	.408	-.26	.60
100 NEREIDAE	0	0	0	0	1	0	1	1	.20	96.77	.17	.408	-.26	.60
101 APANTHURA MAGNIFICA	0	0	0	1	0	0	1	1	.20	96.98	.17	.408	-.26	.60
102 NINOE NIGRIPES	1	0	0	0	0	0	1	1	.20	97.18	.17	.408	-.26	.60
103 DIPLODONTA CF SOROR	1	0	0	0	0	0	1	1	.20	97.38	.17	.408	-.26	.60
104 CALLIANASSA SP	0	0	1	0	0	0	1	1	.20	97.58	.17	.408	-.26	.60
105 CALAPPIDAE	0	1	0	0	0	0	1	1	.20	97.78	.17	.408	-.26	.60
106 MACOMA TENTA	1	0	0	0	0	0	1	1	.20	97.98	.17	.408	-.26	.60
107 NATICA SP	1	0	0	0	0	0	1	1	.20	98.19	.17	.408	-.26	.60
108 GONIADA TERES	1	0	0	0	0	0	1	1	.20	98.39	.17	.408	-.26	.60
109 CERAPUS TUBULARIS	0	0	0	0	1	0	1	1	.20	98.59	.17	.408	-.26	.60
110 MARPHYSA SPC	0	0	0	0	1	0	1	1	.20	98.79	.17	.408	-.26	.60
111 CIROLANA SP	0	0	0	0	0	1	1	1	.20	98.99	.17	.408	-.26	.60
112 NEPHTYIDAE	0	0	0	1	0	0	1	1	.20	99.19	.17	.408	-.26	.60
113 ARICIDEA CF USCHAKOVI	0	0	1	0	0	0	1	1	.20	99.40	.17	.408	-.26	.60
114 HIPPOMEDON CF SERRATUS	0	0	0	1	0	0	1	1	.20	99.60	.17	.408	-.26	.60
115 FLABELLIGERIDAE	0	1	0	0	0	0	1	1	.20	99.80	.17	.408	-.26	.60
116 TEINOSTOMA BISCAYNENSE	0	0	1	0	0	0	1	1	.20	100.00	.17	.408	-.26	.60

NO. OF SPECIES	54	31	36	46	39	45	
NO. OF INDIVIDUALS	106	84	53	93	61	99	496

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	IV	116	496	6.2195	.9828	.9741

STATION 3 TRANSECT IV PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIPUNCULA	0	12	16	9	13	1	51	5	10.65	10.65	8.50	6.595	1.58	15.42
2	PARAMPHINOME PULCHELLA	0	7	0	13	4	1	25	4	5.22	15.87	4.17	5.115	-1.20	9.54
3	RUTIDERMA SPA	2	3	2	12	3	1	23	6	4.80	20.67	3.83	4.070	-.44	8.11
4	NEMERTINEA	4	2	4	10	2	0	22	5	4.59	25.26	3.67	3.445	.05	7.28
5	PARAPRIONOSPIO PINNATA	1	0	8	6	0	6	21	4	4.38	29.65	3.50	3.564	-.24	7.24
6	SABELLIDAE	5	0	6	6	0	1	18	4	3.76	33.40	3.00	2.966	-.11	6.11
7	ONUPHIDAE	1	3	1	3	5	0	13	5	2.71	36.12	2.17	1.835	.24	4.09
8	MALDANIDAE	0	3	3	4	2	1	13	5	2.71	38.83	2.17	1.472	.62	3.71
9	SIGAMBRA TENTACULATA	3	1	2	1	2	2	11	6	2.30	41.13	1.83	.753	1.04	2.62
10	MAGELONA LONGICORNIS	1	2	3	3	1	0	10	5	2.09	43.22	1.67	1.211	.40	2.94
11	COSSURA DELTA	5	1	0	0	4	0	10	3	2.09	45.30	1.67	2.251	-.70	4.03
12	ONUPHIS SPB	3	3	1	1	0	0	8	4	1.67	46.97	1.33	1.366	-.10	2.77
13	PARALACYDONIA PARADOXA	1	0	1	1	2	2	7	5	1.46	48.43	1.17	.753	.38	1.96
14	PSEUDOPHILOMEDES SPA	0	0	0	5	2	0	7	2	1.46	49.90	1.17	2.041	-.98	3.31
15	SPIONIDAE	2	0	1	2	1	0	6	4	1.25	51.15	1.00	.894	.06	1.94
16	FABRICIA SPA	0	4	0	2	0	0	6	2	1.25	52.40	1.00	1.673	-.76	2.76
17	HETEROPHOXUS CF OCULATUS	0	0	0	6	0	0	6	1	1.25	53.65	1.00	2.449	-1.57	3.57
18	CUMACEAN SP1	0	0	0	3	2	1	6	3	1.25	54.91	1.00	1.265	-.33	2.33
19	CORBULA SWIFTIANA	0	0	1	2	2	0	5	3	1.04	55.95	.83	.983	-.20	1.87
20	NOTOMASTUS LATERICEUS	2	1	1	1	0	0	5	4	1.04	56.99	.83	.753	.04	1.62
21	PARAONIS GRACILIS	1	1	1	1	0	1	5	5	1.04	58.04	.83	.408	.40	1.26
22	TEREBELLIDES STROEMII	1	1	1	1	0	1	5	5	1.04	59.08	.83	.408	.40	1.26
23	OPHIUROIDEA	0	2	0	2	0	0	4	2	.84	59.92	.67	1.033	-.42	1.75
24	STHENELAIS BOA	2	0	0	0	2	0	4	2	.84	60.75	.67	1.033	-.42	1.75
25	THARYX MARIONI	3	0	0	0	1	0	4	2	.84	61.59	.67	1.211	-.60	1.94
26	TEREBELLIDAE	0	0	2	0	2	0	4	2	.84	62.42	.67	1.033	-.42	1.75
27	CAPITELLIDAE	0	0	1	0	1	2	4	3	.84	63.26	.67	.816	-.19	1.52
28	NEREID SPB	0	1	1	2	0	0	4	3	.84	64.09	.67	.816	-.19	1.52
29	PITAR CORDATUS	0	0	3	0	1	0	4	2	.84	64.93	.67	1.211	-.60	1.94
30	GLYCERA TESSELATA	0	0	0	3	0	1	4	2	.84	65.76	.67	1.211	-.60	1.94
31	SPIOPHANES LONGICIRRUS	1	2	0	0	0	1	4	3	.84	66.60	.67	.816	-.19	1.52
32	ARMANDIA MACULATA	1	0	0	3	0	0	4	2	.84	67.43	.67	1.211	-.60	1.94
33	MAGELONA PHYLLISAE	0	0	0	0	2	2	4	2	.84	68.27	.67	1.033	-.42	1.75
34	NEPHTYIDAE	2	0	0	0	1	0	3	2	.63	68.89	.50	.837	-.38	1.38
35	SCUTOPUS SPA	1	0	1	1	0	0	3	3	.63	69.52	.50	.548	-.07	1.07
36	ALTERNOCHELATA SPA	0	1	0	0	0	2	3	2	.63	70.15	.50	.837	-.38	1.38
37	SPIOPHANES WIGLEYI	1	0	1	0	1	0	3	3	.63	70.77	.50	.548	-.07	1.07
38	UNCIOLA SERRATA	1	0	0	0	0	2	3	2	.63	71.40	.50	.837	-.38	1.38
39	SPHAEROSYLLIS CF SUBLAEVIS	1	2	0	0	0	0	3	2	.63	72.03	.50	.837	-.38	1.38
40	AMAEANA TRILOBATA	0	2	0	1	0	0	3	2	.63	72.65	.50	.837	-.38	1.38
41	ONUPHIS SPA	0	0	0	1	1	1	3	3	.63	73.28	.50	.548	-.07	1.07
42	NOTOMASTUS CF AMERICANUS	0	0	0	3	0	0	3	1	.63	73.90	.50	1.225	-.79	1.79
43	ONUPHIS SPF	1	1	0	1	0	0	3	3	.63	74.53	.50	.548	-.07	1.07
44	CHLOEIA VIRIDIS	0	1	1	0	0	1	3	3	.63	75.16	.50	.548	-.07	1.07
45	SERPULIDAE	0	1	0	0	2	0	3	2	.63	75.78	.50	.837	-.38	1.38
46	THARYX ANNULOSUS	1	1	0	0	0	0	2	2	.42	76.20	.33	.516	-.21	.88
47	BYBLIS CF AFFINIS	0	1	0	0	0	1	2	2	.42	76.62	.33	.516	-.21	.88
48	TANAID SPE	0	2	0	0	0	0	2	1	.42	77.04	.33	.816	-.52	1.19
49	CALLIANASSA LATISPINA	1	1	0	0	0	0	2	2	.42	77.45	.33	.516	-.21	.88
50	ACTINIARIA SPA	0	2	0	0	0	0	2	1	.42	77.87	.33	.816	-.52	1.19
51	MAGELONA SPA	0	0	1	1	0	0	2	2	.42	78.29	.33	.516	-.21	.88
52	ACTINIARIA	2	0	0	0	0	0	2	1	.42	78.71	.33	.816	-.52	1.19
53	MARPHYSA SPB	0	0	1	1	0	0	2	2	.42	79.12	.33	.516	-.21	.88
54	ASYCHIS SP	0	0	1	0	1	0	2	2	.42	79.54	.33	.516	-.21	.88

55 LUMBRINERIS PARVAPEDATA	0	0	2	0	0	0	2	1	.42	79.96	.33	.816	-.52	1.19
56 SPIOPHANES SPA	0	0	1	0	0	1	2	2	.42	80.38	.33	.516	-.21	.88
57 SPIOCHAETOPTERUS COSTARUM	1	0	1	0	0	0	2	2	.42	80.79	.33	.516	-.21	.88
58 SARSIELLA CF GREYI	0	0	1	1	0	0	2	2	.42	81.21	.33	.516	-.21	.88
59 GNATHIA SP	0	0	1	1	0	0	2	2	.42	81.63	.33	.516	-.21	.88
60 CERAPUS TUBULARIS	0	0	1	0	0	1	2	2	.42	82.05	.33	.516	-.21	.88
61 ARICIDEA NEOSUECICA	0	1	0	0	0	1	2	2	.42	82.46	.33	.516	-.21	.88
62 AMPHARETE PARVIDENTATA	0	0	0	2	0	0	2	1	.42	82.88	.33	.816	-.52	1.19
63 AMAEANA ACCRAENSIS	0	0	0	2	0	0	2	1	.42	83.30	.33	.816	-.52	1.19
64 NEREIS SPA	0	0	0	2	0	0	2	1	.42	83.72	.33	.816	-.52	1.19
65 EUCHONE ROSEA	0	0	0	2	0	0	2	1	.42	84.13	.33	.816	-.52	1.19
66 AGLAOPHAMUS VERRILLI	0	0	0	2	0	0	2	1	.42	84.55	.33	.816	-.52	1.19
67 LOIMIA MEDUSA	0	0	0	2	0	0	2	1	.42	84.97	.33	.816	-.52	1.19
68 PHYLLODOCE MUCOSA	0	0	0	2	0	0	2	1	.42	85.39	.33	.816	-.52	1.19
69 BRYOZOA	0	0	0	1	1	0	2	2	.42	85.80	.33	.516	-.21	.88
70 NEREID(NICON) SPA	2	0	0	0	0	0	2	1	.42	86.22	.33	.816	-.52	1.19
71 AMPHARETIDAE	0	2	0	0	0	0	2	1	.42	86.64	.33	.816	-.52	1.19
72 NEPHTYS INCISA	0	1	0	1	0	0	2	2	.42	87.06	.33	.516	-.21	.88
73 STERNASPIS SCUTATA	1	0	0	0	0	1	2	2	.42	87.47	.33	.516	-.21	.88
74 CHONE CF AMERICANA	0	1	0	0	0	0	1	1	.21	87.68	.17	.408	-.26	.60
75 COLLODES TRISPINOSUS	0	0	0	0	1	0	1	1	.21	87.89	.17	.408	-.26	.60
76 HYDROIDES PROTULICOLA	0	1	0	0	0	0	1	1	.21	88.10	.17	.408	-.26	.60
77 MICROSPIO PIGMENTATA	0	0	0	1	0	0	1	1	.21	88.31	.17	.408	-.26	.60
78 CIRRATULIDAE	0	1	0	0	0	0	1	1	.21	88.52	.17	.408	-.26	.60
79 PALEANOTUS HETEROSETA	0	0	0	0	0	1	1	1	.21	88.73	.17	.408	-.26	.60
80 ARICIDEA JEFFREYSII	0	0	0	0	0	1	1	1	.21	88.94	.17	.408	-.26	.60
81 PECTINIDAE	0	0	0	0	0	1	1	1	.21	89.14	.17	.408	-.26	.60
82 AGLAOPHAMUS INERMIS	1	0	0	0	0	0	1	1	.21	89.35	.17	.408	-.26	.60
83 POLYDORA CF HARTMANAE	0	1	0	0	0	0	1	1	.21	89.56	.17	.408	-.26	.60
84 CHAETOPTERIDAE	0	1	0	0	0	0	1	1	.21	89.77	.17	.408	-.26	.60
85 LAONICE CIRRATA	0	0	0	1	0	0	1	1	.21	89.98	.17	.408	-.26	.60
86 DIOPATRA TRIDENTATA	0	1	0	0	0	0	1	1	.21	90.19	.17	.408	-.26	.60
87 GONIADA NORVEGICA	0	0	0	0	0	1	1	1	.21	90.40	.17	.408	-.26	.60
88 PARANDALIA SPA	0	0	1	0	0	0	1	1	.21	90.61	.17	.408	-.26	.60
89 ANADARA TRANSVERSA	0	0	0	0	0	1	1	1	.21	90.81	.17	.408	-.26	.60
90 HETEROSPIO LONGISSIMA	1	0	0	0	0	0	1	1	.21	91.02	.17	.408	-.26	.60
91 GONIADA TERES	1	0	0	0	0	0	1	1	.21	91.23	.17	.408	-.26	.60
92 GLYCINDE NORDMANNI	0	0	0	0	0	1	1	1	.21	91.44	.17	.408	-.26	.60
93 CLYMENELLA TORQUATA	0	0	0	0	0	1	1	1	.21	91.65	.17	.408	-.26	.60
94 SIGALIONIDAE	0	0	0	0	0	1	1	1	.21	91.86	.17	.408	-.26	.60
95 LEPTOCHEIRUS SP	0	0	0	0	1	0	1	1	.21	92.07	.17	.408	-.26	.60
96 DENTALIUM SOWERBYI	0	0	1	0	0	0	1	1	.21	92.28	.17	.408	-.26	.60
97 ARABELLIDAE	0	0	0	1	0	0	1	1	.21	92.48	.17	.408	-.26	.60
98 SARSIELLA SPF	0	0	1	0	0	0	1	1	.21	92.69	.17	.408	-.26	.60
99 HARMOTHOE SP	0	1	0	0	0	0	1	1	.21	92.90	.17	.408	-.26	.60
100 MAGELONA ROSEA	1	0	0	0	0	0	1	1	.21	93.11	.17	.408	-.26	.60
101 ONUPHIS PERUANA	0	1	0	0	0	0	1	1	.21	93.32	.17	.408	-.26	.60
102 CALLIANASSA SP	0	0	0	0	0	1	1	1	.21	93.53	.17	.408	-.26	.60
103 LEIOCAPITELLA GLABRA	0	1	0	0	0	0	1	1	.21	93.74	.17	.408	-.26	.60
104 GYPTIS VITTATA	1	0	0	0	0	0	1	1	.21	93.95	.17	.408	-.26	.60
105 CUSPIDARIA MEDIA	0	1	0	0	0	0	1	1	.21	94.15	.17	.408	-.26	.60
106 GLYCERA SP	0	0	0	1	0	0	1	1	.21	94.36	.17	.408	-.26	.60
107 MARPHYSA SPA	0	0	0	0	1	0	1	1	.21	94.57	.17	.408	-.26	.60
108 PARAONIS SPA	0	0	0	0	0	1	1	1	.21	94.78	.17	.408	-.26	.60
109 TANAID SPJ	0	0	0	0	0	1	1	1	.21	94.99	.17	.408	-.26	.60
110 TANAIDACEA	0	0	0	1	0	0	1	1	.21	95.20	.17	.408	-.26	.60
111 SYLLIS SPB	0	0	0	0	1	0	1	1	.21	95.41	.17	.408	-.26	.60
112 THARYX FILIBRANCHIA	0	0	1	0	0	0	1	1	.21	95.62	.17	.408	-.26	.60
113 PHOTIS SP	0	0	0	0	0	1	1	1	.21	95.82	.17	.408	-.26	.60
114 PILARGIS BERKELYAE	0	1	0	0	0	0	1	1	.21	96.03	.17	.408	-.26	.60
115 AMPELISCA ABDITA	0	0	0	0	0	1	1	1	.21	96.24	.17	.408	-.26	.60
116 CERATOCEPHALE OCULATA	0	1	0	0	0	0	1	1	.21	96.45	.17	.408	-.26	.60

117 POECILOCHAETUS JOHNSONI	0	1	0	0	0	0	1	1	.21	96.66	.17	.408	-.26	.60
118 NEREIDAE	0	0	0	1	0	0	1	1	.21	96.87	.17	.408	-.26	.60
119 MAGELONA PETTIBONEAE	0	0	0	0	0	1	1	1	.21	97.08	.17	.408	-.26	.60
120 GRUBEULEPIS SP	1	0	0	0	0	0	1	1	.21	97.29	.17	.408	-.26	.60
121 VENERIDAE	0	1	0	0	0	0	1	1	.21	97.49	.17	.408	-.26	.60
122 OPHELIIDAE	0	1	0	0	0	0	1	1	.21	97.70	.17	.408	-.26	.60
123 PILARGIIDAE	0	0	0	0	1	0	1	1	.21	97.91	.17	.408	-.26	.60
124 GLYCERA PAPILLOSA	0	0	0	1	0	0	1	1	.21	98.12	.17	.408	-.26	.60
125 AUTOMATE EVERMANNI	0	0	1	0	0	0	1	1	.21	98.33	.17	.408	-.26	.60
126 POLYCHAETE SPA	0	0	0	0	0	1	1	1	.21	98.54	.17	.408	-.26	.60
127 ASYCHIS ELONGATA	1	0	0	0	0	0	1	1	.21	98.75	.17	.408	-.26	.60
128 DRILONEREIS MAGNA	0	1	0	0	0	0	1	1	.21	98.96	.17	.408	-.26	.60
129 PHILINE SAGRA	0	1	0	0	0	0	1	1	.21	99.16	.17	.408	-.26	.60
130 APANTHURA MAGNIFICA	0	0	0	1	0	0	1	1	.21	99.37	.17	.408	-.26	.60
131 NINOE NIGRIPES	0	0	0	0	0	1	1	1	.21	99.58	.17	.408	-.26	.60
132 MEGALOMMA CF QUADRIOCULATUM	0	1	0	0	0	0	1	1	.21	99.79	.17	.408	-.26	.60
133 CUMACEAN SPG	0	1	0	0	0	0	1	1	.21	100.00	.17	.408	-.26	.60

NO. OF SPECIES	37	50	37	51	31	40	
NO. OF INDIVIDUALS	61	87	77	137	66	51	479

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	IV	133	479	6.0990	.9736	.7820

STATION 4 TRANSECT IV PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	LUMBRINERIS PARVAPEDATA	82	85	111	71	71	72	492	6	15.95	15.95	82.00	15.440	65.79	98.21
2	MAGELONA PHYLLISAE	103	95	57	67	125	40	487	6	15.79	31.74	81.17	31.840	47.75	114.59
3	MEDIOMASTUS CALIFORNIENSIS	57	8	69	12	16	60	222	6	7.20	38.94	37.00	27.785	7.84	66.16
4	MAGELONA PETTIBONEAE	37	26	29	17	13	26	148	6	4.80	43.74	24.67	8.595	15.65	33.69
5	NEMERTINEA	16	20	41	3	36	10	126	6	4.09	47.83	21.00	14.805	5.46	36.54
6	ANADARA TRANSVERSA	24	0	56	25	9	4	118	5	3.83	51.65	19.67	20.559	-1.91	41.25
7	SPIOPHANES BOMBYX	15	26	14	20	14	21	110	6	3.57	55.22	18.33	4.844	13.25	23.42
8	PARAONIDES LYRA	8	10	28	7	7	32	92	6	2.98	58.20	15.33	11.483	3.28	27.39
9	LUMBRINERIS TENUIS	10	7	2	13	20	13	65	6	2.11	60.31	10.83	6.113	4.42	17.25
10	ARICIDEA TAYLORI	18	9	7	8	7	12	61	6	1.98	62.29	10.17	4.262	5.69	14.64
11	PRIONOSPIO CRISTATA	13	14	10	2	8	10	57	6	1.85	64.14	9.50	4.278	5.01	13.99
12	XENANTHURA BREVITELSON	12	6	3	18	3	10	52	6	1.69	65.82	8.67	5.854	2.52	14.81
13	CORBULA SWIFTIANA	10	1	4	19	3	3	40	6	1.30	67.12	6.67	6.772	-.44	13.78
14	POLYCHAETE SPA	28	4	0	2	0	4	38	4	1.23	68.35	6.33	10.764	-4.96	17.63
15	SIPUNCULA	4	12	6	4	9	0	35	5	1.13	69.49	5.83	4.215	1.41	10.26
16	PARAPRIONOSPIO PINNATA	6	3	4	7	13	0	33	5	1.07	70.56	5.50	4.416	.87	10.13
17	SPIONIDAE	5	4	3	2	4	13	31	6	1.01	71.56	5.17	3.971	1.00	9.33
18	TELLINIDAE	5	1	8	5	7	4	30	6	.97	72.54	5.00	2.449	2.43	7.57
19	DIPLODONTA CF SOROR	3	4	1	12	4	6	30	6	.97	73.51	5.00	3.795	1.02	8.98
20	PARAONIS GRACILIS	5	7	6	3	4	4	29	6	.94	74.45	4.83	1.472	3.29	6.38
21	RUTIDERMA SPB	10	3	4	4	0	6	27	5	.88	75.32	4.50	3.332	1.00	8.00
22	NEREID(NICON) SPA	5	7	4	5	5	1	27	6	.88	76.20	4.50	1.975	2.43	6.57
23	ISOLDA PULCHELLA	3	3	8	3	2	7	26	6	.84	77.04	4.33	2.503	1.71	6.96
24	AGLAOPHAMUS CIRCINATA	6	6	4	4	0	5	25	5	.81	77.85	4.17	2.229	1.83	6.51
25	CLYMENELLA TORQUATA	5	1	3	3	7	3	22	6	.71	78.57	3.67	2.066	1.50	5.83
26	MINUSPIO CIRRIFERA	4	0	8	1	4	3	20	5	.65	79.22	3.33	2.805	.39	6.28
27	LISTRIELLA BARNARDI	10	1	1	2	3	1	18	6	.58	79.80	3.00	3.521	-.70	6.70
28	ARICIDEA JEFFREYSII	3	3	3	0	1	7	17	5	.55	80.35	2.83	2.401	.31	5.35
29	OPHIUROIDEA	3	1	5	6	1	1	17	6	.55	80.90	2.83	2.229	.49	5.17
30	HARBANUS PAUCICHELATUS	4	1	4	3	2	2	16	6	.52	81.42	2.67	1.211	1.40	3.94
31	AGLAOPHAMUS VERRILLI	1	4	5	3	3	0	16	5	.52	81.94	2.67	1.862	.71	4.62
32	TEREBELLIDES STROEMII	4	2	2	1	3	2	14	6	.45	82.39	2.33	1.033	1.25	3.42
33	MALDANIDAE	1	3	3	0	2	4	13	5	.42	82.81	2.17	1.472	.62	3.71
34	SPIOPHANES SPA	2	8	0	2	1	0	13	4	.42	83.24	2.17	2.994	-.98	5.31
35	PALEANOTUS HETEROSETA	0	4	0	0	7	2	13	3	.42	83.66	2.17	2.858	-.83	5.17
36	MAGELONA ROSEA	4	0	4	2	1	2	13	5	.42	84.08	2.17	1.602	.49	3.85
37	PARAONIDAE	1	6	2	2	0	2	13	5	.42	84.50	2.17	2.041	.02	4.31
38	AMPELISCA SPB	0	0	6	1	2	3	12	4	.39	84.89	2.00	2.280	-.39	4.39
39	BRISSOPSIS ALTA	2	0	4	0	3	3	12	4	.39	85.28	2.00	1.673	.24	3.76
40	PHORONIDA	0	0	1	4	4	3	12	4	.39	85.67	2.00	1.897	.01	3.99
41	OWENIA FUSIFORMIS	1	1	3	1	3	2	11	6	.36	86.02	1.83	.983	.80	2.87
42	AMPELISCA VERRILLI	1	1	0	6	2	1	11	5	.36	86.38	1.83	2.137	-.41	4.08
43	AMAEANA TRILOBATA	0	4	0	2	1	4	11	4	.36	86.74	1.83	1.835	-.09	3.76
44	EXOGONE DISPAR	3	0	1	0	5	2	11	4	.36	87.09	1.83	1.941	-.20	3.87
45	DIOPATRA CUPREA	3	0	1	4	2	0	10	4	.32	87.42	1.67	1.633	-.05	3.38
46	CABIRA INCERTA	4	2	0	0	3	0	9	3	.29	87.71	1.50	1.761	-.35	3.35
47	RUTIDERMA SPC	2	0	1	1	3	1	8	5	.26	87.97	1.33	1.033	.25	2.42
48	PLATYISCHNOPUS SP	2	1	0	1	3	1	8	5	.26	88.23	1.33	1.033	.25	2.42
49	ZOANTHARIA	0	1	3	3	0	1	8	4	.26	88.49	1.33	1.366	-.10	2.77
50	THARYX ANNULOSUS	4	1	0	0	3	0	8	3	.26	88.75	1.33	1.751	-.50	3.17
51	AEDICIRA BELGICAE	5	0	1	0	1	0	7	3	.23	88.98	1.17	1.941	-.87	3.20
52	AMPELISCA CF CRISTATA	1	0	0	1	2	3	7	4	.23	89.20	1.17	1.169	-.06	2.39
53	GONIADA LITTOREA	0	0	0	1	4	2	7	3	.23	89.43	1.17	1.602	-.51	2.85
54	THARYX MARIONI	0	1	3	0	1	2	7	4	.23	89.66	1.17	1.169	-.06	2.39

55 MAGELONA SP	6	0	0	0	0	1	7	2	.23	89.88	1.17	2.401	-1.35	3.69
56 LUCINA MULTILINEATA	0	1	1	3	2	0	7	4	.23	90.11	1.17	1.169	-.06	2.39
57 CALLIANASSA BIFORMIS	2	1	0	2	1	1	7	5	.23	90.34	1.17	.753	.38	1.96
58 SARSIELLA CF GREYI	0	1	2	0	2	2	7	4	.23	90.56	1.17	.983	.13	2.20
59 SOLEN VIRIDIS	0	1	2	1	1	2	7	5	.23	90.79	1.17	.753	.38	1.96
60 CERATOCEPHALE OCULATA	3	2	0	0	0	2	7	3	.23	91.02	1.17	1.329	-.23	2.56
61 TELLINA VERSICOLOR	1	0	0	0	4	2	7	3	.23	91.25	1.17	1.602	-.51	2.85
62 SCOLOPLOS RUBRA	0	1	2	0	3	1	7	4	.23	91.47	1.17	1.169	-.06	2.39
63 GYPTIS VITTATA	1	0	2	0	3	1	7	4	.23	91.70	1.17	1.169	-.06	2.39
64 ARICIDEA WASSI	1	1	0	1	3	0	6	4	.19	91.89	1.00	1.095	-.15	2.15
65 NOTOMASTUS LATERICEUS	0	0	0	0	6	0	6	1	.19	92.09	1.00	2.449	-1.57	3.57
66 ABRA AEQUALIS	0	1	1	1	1	2	6	5	.19	92.28	1.00	.632	.34	1.66
67 CIRRATULID-B	3	0	0	0	0	3	6	2	.19	92.48	1.00	1.549	-.63	2.63
68 CYCLASPIS VARIANS	0	2	0	1	3	0	6	3	.19	92.67	1.00	1.265	-.33	2.33
69 AMPELISCA AGASSIZI	0	0	3	1	0	1	5	3	.16	92.83	.83	1.169	-.39	2.06
70 LAONICE CIRRATA	1			1	2	1	5	4	.16	93.00	.83	.753	.04	1.62
71 PARAPHOXUS CF EPISTOMUS	4				1		5	2	.16	93.16	.83	1.602	-.85	2.51
72 NOTOMASTUS HEMIPODUS		1	4				5	2	.16	93.32	.83	1.602	-.85	2.51
73 TEREBELLIDAE	2		1		2		5	3	.16	93.48	.83	.983	-.20	1.87
74 MUNNA SP	1	1	1		2		5	4	.16	93.64	.83	.753	.04	1.62
75 ARMANDIA MACULATA			1	2		2	5	3	.16	93.81	.83	.983	-.20	1.87
76 LUMBRINERIS SP			4				4	1	.13	93.94	.67	1.633	-1.05	2.38
77 ALIGENA TEXASIANA	2			1	1		4	3	.13	94.07	.67	.816	-.19	1.52
78 CADULUS CAROLINENSIS			1	1	2		4	3	.13	94.20	.67	.816	-.19	1.52
79 MULINIA LATERALIS	1		2	1			4	3	.13	94.33	.67	.816	-.19	1.52
80 AMAEANA ACCRAENSIS				2		2	4	2	.13	94.46	.67	1.033	-.42	1.75
81 MONOCULOIDES SPB	2		1			1	4	3	.13	94.58	.67	.816	-.19	1.52
82 SYNCHELIDIUM CF AMERICANUM	1	1			1	1	4	4	.13	94.71	.67	.516	.12	1.21
83 NUCULANA ACUTA		2	1	1			4	3	.13	94.84	.67	.816	-.19	1.52
84 POLYCHAETA			4				4	1	.13	94.97	.67	1.633	-1.05	2.38
85 ONUPHIS SPA			2		1		3	2	.10	95.07	.50	.837	-.38	1.38
86 SPIOPHANES WIGLEYI			3				3	1	.10	95.17	.50	1.225	-.79	1.79
87 AMPHARETE ACUTIFRONS			1			2	3	2	.10	95.27	.50	.837	-.38	1.38
88 MARPHYSA SANGUINEA					2	1	3	2	.10	95.36	.50	.837	-.38	1.38
89 BRANCHIOSTOMA CARIBAEUM					2	1	3	2	.10	95.46	.50	.837	-.38	1.38
90 PSEUDOPHILOMEDES SPB						3	3	1	.10	95.56	.50	1.225	-.79	1.79
91 POLYDORA CF HARTMANAE	1	2					3	2	.10	95.65	.50	.837	-.38	1.38
92 PRIONOSPIO STEENSTRUPI		3					3	1	.10	95.75	.50	1.225	-.79	1.79
93 PHOTIS SPB		1	1		1		3	3	.10	95.85	.50	.548	-.07	1.07
94 HARBANSUS PAUCICHELATUS		3					3	1	.10	95.95	.50	1.225	-.79	1.79
95 SIGAMBRA TENTACULATA	1		1		1		3	3	.10	96.04	.50	.548	-.07	1.07
96 DIOPATRA CF NEOTRIDENS		1		1	1		3	3	.10	96.14	.50	.548	-.07	1.07
97 PINNOTHERIDAE		1		1			2	2	.06	96.21	.33	.516	-.21	.88
98 NEPHTYIDAE		1				1	2	2	.06	96.27	.33	.516	-.21	.88
99 SAMYTHELLA ELIASONI			1			1	2	2	.06	96.34	.33	.516	-.21	.88
100 GLYCERA SP			1		1		2	2	.06	96.40	.33	.516	-.21	.88
101 CHAETOPTERIDAE	1				1		2	2	.06	96.47	.33	.516	-.21	.88
102 ASTEROPELLA SPA	1			1			2	2	.06	96.53	.33	.516	-.21	.88
103 AMPHARETIDAE			1			1	2	2	.06	96.60	.33	.516	-.21	.88
104 HARMOTHOE IMBRICATA			2				2	1	.06	96.66	.33	.816	-.52	1.19
105 PITAR CORDATUS			1	1			2	2	.06	96.73	.33	.516	-.21	.88
106 OSTRACOD SPBB			2				2	1	.06	96.79	.33	.816	-.52	1.19
107 AMPHILOCHUS SP				2			2	1	.06	96.85	.33	.816	-.52	1.19
108 MALACOCEROS VANDERHORSTI				2			2	1	.06	96.92	.33	.816	-.52	1.19
109 MICROSPIO PIGMENTATA				1		1	2	2	.06	96.98	.33	.516	-.21	.88
110 DRILONEREIS MAGNA				2			2	1	.06	97.05	.33	.816	-.52	1.19
111 AUTOMATE SP				1		1	2	2	.06	97.11	.33	.516	-.21	.88
112 EULIMA BIFASCIATA					1	1	2	2	.06	97.18	.33	.516	-.21	.88
113 APOPRIONOSPIO PYGMAEA	2						2	1	.06	97.24	.33	.816	-.52	1.19
114 NOTOMASTUS CF LATERICEUS				2			2	1	.06	97.31	.33	.816	-.52	1.19
115 NATICA CANRENA				2			2	1	.06	97.37	.33	.816	-.52	1.19
116 SCHISTOMERINGOS RUDOLPHI		1			1		2	2	.06	97.44	.33	.516	-.21	.88

117	ASTEROPELLA MACLAUGHLINAE						2	2	1	.06	97.50	.33	.816	-.52	1.19
118	EUCERAMUS PRAELONGUS				1	1		2	2	.06	97.57	.33	.516	-.21	.88
119	POLYNOIDAE		1				1	2	2	.06	97.63	.33	.516	-.21	.88
120	ONUPHIDAE		2					2	1	.06	97.70	.33	.816	-.52	1.19
121	LUMBRINERIS ALBIDENTATA	1	1					2	2	.06	97.76	.33	.516	-.21	.88
122	LEPTOCHELA SERRATORBITA		1			1		2	2	.06	97.83	.33	.516	-.21	.88
123	LUMBRINERIS JANUARII			1		1		2	2	.06	97.89	.33	.516	-.21	.88
124	PHYLLODOCE MUCOSA		1			1		2	2	.06	97.96	.33	.516	-.21	.88
125	CALAPPIDAE	1						1	1	.03	97.99	.17	.408	-.26	.60
126	LYSIDICE NINETTA			1				1	1	.03	98.02	.17	.408	-.26	.60
127	ASYCHIS ELONGATA				1			1	1	.03	98.05	.17	.408	-.26	.60
128	LEPADOMORPHA	1						1	1	.03	98.09	.17	.408	-.26	.60
129	DENTALIUM SPA		1					1	1	.03	98.12	.17	.408	-.26	.60
130	CALYPTRAEA CENTRALIS	1						1	1	.03	98.15	.17	.408	-.26	.60
131	SABELLIDAE			1				1	1	.03	98.18	.17	.408	-.26	.60
132	LUCINA AMIANTUS				1			1	1	.03	98.22	.17	.408	-.26	.60
133	SEMELE BELLASTRIATA	1						1	1	.03	98.25	.17	.408	-.26	.60
134	CAECUM IMBRICATUM						1	1	1	.03	98.28	.17	.408	-.26	.60
135	NEREIS SPC						1	1	1	.03	98.31	.17	.408	-.26	.60
136	COROPHIUM SP	1						1	1	.03	98.35	.17	.408	-.26	.60
137	DOSINIA ELEGANS	1						1	1	.03	98.38	.17	.408	-.26	.60
138	SCHISTOMERINGOS SPA	1						1	1	.03	98.41	.17	.408	-.26	.60
139	OGYRIDES LIMICOLA					1		1	1	.03	98.44	.17	.408	-.26	.60
140	DENDROCHIROTIDA				1			1	1	.03	98.48	.17	.408	-.26	.60
141	POLYDORA CF CONCHARUM					1		1	1	.03	98.51	.17	.408	-.26	.60
142	ONUPHIS SPF	1						1	1	.03	98.54	.17	.408	-.26	.60
143	PILARGIS BERKELYAE			1				1	1	.03	98.57	.17	.408	-.26	.60
144	OSTRACOD SPJJ		1					1	1	.03	98.61	.17	.408	-.26	.60
145	POLYDORA AGGREGATA		1					1	1	.03	98.64	.17	.408	-.26	.60
146	UNCIOLA SERRATA					1		1	1	.03	98.67	.17	.408	-.26	.60
147	SIGAMBRA BASSI		1					1	1	.03	98.70	.17	.408	-.26	.60
148	GONEPLACIDAE			1				1	1	.03	98.74	.17	.408	-.26	.60
149	SCOLELEPIS TEXANA						1	1	1	.03	98.77	.17	.408	-.26	.60
150	TURBONILLA PORTORICANA						1	1	1	.03	98.80	.17	.408	-.26	.60
151	ONUPHIS SPH						1	1	1	.03	98.83	.17	.408	-.26	.60
152	ARABELLA IRICOLOR						1	1	1	.03	98.87	.17	.408	-.26	.60
153	LOVENELLA GRANDIS		1					1	1	.03	98.90	.17	.408	-.26	.60
154	VITRINELLA FLORIDANA						1	1	1	.03	98.93	.17	.408	-.26	.60
155	PARALACYDONIA PARADOXA	1						1	1	.03	98.96	.17	.408	-.26	.60
156	CIRRATULIDAE						1	1	1	.03	98.99	.17	.408	-.26	.60
157	NEPHTYS INCISA	1						1	1	.03	99.03	.17	.408	-.26	.60
158	FREVILLEA BARBATA		1					1	1	.03	99.06	.17	.408	-.26	.60
159	GONIADA NORVEGICA		1					1	1	.03	99.09	.17	.408	-.26	.60
160	POLYDORA CF SOCIALIS						1	1	1	.03	99.12	.17	.408	-.26	.60
161	SYLLIS SPC	1						1	1	.03	99.16	.17	.408	-.26	.60
162	SPIOPHANES SP						1	1	1	.03	99.19	.17	.408	-.26	.60
163	ARMANDIA AGILIS					1		1	1	.03	99.22	.17	.408	-.26	.60
164	GLYCERA SPB						1	1	1	.03	99.25	.17	.408	-.26	.60
165	GYMNOBLASTEA	1						1	1	.03	99.29	.17	.408	-.26	.60
166	MEGALOMMA CF QUADRIOCULATUM					1		1	1	.03	99.32	.17	.408	-.26	.60
167	HEMICYCLOPS SP						1	1	1	.03	99.35	.17	.408	-.26	.60
168	ONUPHIS NEBULOSA				1			1	1	.03	99.38	.17	.408	-.26	.60
169	SPIONID SPA						1	1	1	.03	99.42	.17	.408	-.26	.60
170	PARAMETOPELLA TEXENSIS	1						1	1	.03	99.45	.17	.408	-.26	.60
171	LOIMIA MEDUSA		1					1	1	.03	99.48	.17	.408	-.26	.60
172	AMPELISCA ABDITA	1						1	1	.03	99.51	.17	.408	-.26	.60
173	HARMOTHOE TRIMACULATA						1	1	1	.03	99.55	.17	.408	-.26	.60
174	PROCESSA HEMPHILLI	1						1	1	.03	99.58	.17	.408	-.26	.60
175	GLYCERA CAPITATA		1					1	1	.03	99.61	.17	.408	-.26	.60
176	NOTOMASTUS CF AMERICANUS		1					1	1	.03	99.64	.17	.408	-.26	.60
177	CHIONE CLENCHI		1					1	1	.03	99.68	.17	.408	-.26	.60
178	DENTALIUM TEXASIANUM				1			1	1	.03	99.71	.17	.408	-.26	.60

179	COSSURA DELTA				1			1	1	.03	99.74	.17	.408	-.26	.60
180	ERICHTHONIAS BRASILIENSIS	1						1	1	.03	99.77	.17	.408	-.26	.60
181	PTILANTHURA CF TRICARINA	1						1	1	.03	99.81	.17	.408	-.26	.60
182	CYCLASPIS SPB	1						1	1	.03	99.84	.17	.408	-.26	.60
183	OXYUROSTYLIS SP		1					1	1	.03	99.87	.17	.408	-.26	.60
184	PISTA QUADRILOBATA					1		1	1	.03	99.90	.17	.408	-.26	.60
185	NEREIS LAMELLOSA			1				1	1	.03	99.94	.17	.408	-.26	.60
186	DIOGENIDAE	1						1	1	.03	99.97	.17	.408	-.26	.60
187	PISTA CRISTATA				1			1	1	.03	100.00	.17	.408	-.26	.60

NO. OF SPECIES	87	80	78	78	87	88	
NO. OF INDIVIDUALS	612	454	598	426	519	475	3084

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	IV	187	3084	5.2226	.9338	.3048

1	NEMERTINEA	4		33	4	10	11	62	5	15.62	15.62	10.33	11.843	-2.10	22.76
2	PARAPRIONOSPIO PINNATA	7	1	10	34	5	5	62	6	15.62	31.23	10.33	11.961	-2.22	22.89
3	LUMBRINERIS PARVAPEDATA	3	6	6	23	8	5	51	6	12.85	44.08	8.50	7.287	.85	16.15
4	EUDORELLA MONODON	2	2	1	9	1	7	22	6	5.54	49.62	3.67	3.445	.05	7.28
5	SPIONIDAE	4		8	9			21	3	5.29	54.91	3.50	4.183	-.89	7.89
6	MEDIOMASTUS CALIFORNIENSIS	1	2	2	5	1	2	13	6	3.27	58.19	2.17	1.472	.62	3.71
7	PARAONIS GRACILIS		1	1	9	1	1	13	5	3.27	61.46	2.17	3.371	-1.37	5.71
8	AMPELISCA ABDITA	1	2		3	5	1	12	5	3.02	64.48	2.00	1.789	.12	3.88
9	SIGAMBRA TENTACULATA	1		2	2	2	3	10	5	2.52	67.00	1.67	1.033	.58	2.75
10	AMPELISCA VERRILLI	2			5	2		9	3	2.27	69.27	1.50	1.975	-.57	3.57
11	THARYX ANNULOSUS				8			8	1	2.02	71.28	1.33	3.266	-2.09	4.76
12	NEREID(NICON) SPA	1	3		3			7	3	1.76	73.05	1.17	1.472	-.38	2.71
13	NOTOMASTUS CF LATERICEUS		1	3	2		1	7	4	1.76	74.81	1.17	1.169	-.06	2.39
14	MAGELONA LONGICORNIS		2	1	2		2	7	4	1.76	76.57	1.17	.983	.13	2.20
15	NEPHTYS INCISA	1			4		1	6	3	1.51	78.09	1.00	1.549	-.63	2.63
16	COSSURA DELTA	1	1	1	1		2	6	5	1.51	79.60	1.00	.632	.34	1.66
17	PARAONIS SPA	1		1	2	1		5	4	1.26	80.86	.83	.753	.04	1.62
18	POLYDORA AGGREGATA			1	4			5	2	1.26	82.12	.83	1.602	-.85	2.51
19	KALLIAPSEUDES SPA			1		2	1	4	3	1.01	83.12	.67	.816	-.19	1.52
20	PINNOTHERIDAE		1			1	2	4	3	1.01	84.13	.67	.816	-.19	1.52
21	LUMBRINERIS ALBIDENTATA			2			1	3	2	.76	84.89	.50	.837	-.38	1.38
22	AUTOMATE EVERMANNI	2			1			3	2	.76	85.64	.50	.837	-.38	1.38
23	LUMBRINERIS TENUIS			1	2			3	2	.76	86.40	.50	.837	-.38	1.38
24	NINOE NIGRIPES			1	1	1		3	3	.76	87.15	.50	.548	-.07	1.07
25	CORBULA SWIFTIANA	1			2			3	2	.76	87.91	.50	.837	-.38	1.38
26	DRILONEREIS MAGNA	2			1			3	2	.76	88.66	.50	.837	-.38	1.38
27	PRIONOSPIO CRISTATA				3			3	1	.76	89.42	.50	1.225	-.79	1.79
28	SIPUNCULA		3					3	1	.76	90.18	.50	1.225	-.79	1.79
29	VOLVULELLA TEXASIANA		1				2	3	2	.76	90.93	.50	.837	-.38	1.38
30	AMPELISCA AGASSIZI	1				1		2	2	.50	91.44	.33	.516	-.21	.88
31	ASYCHIS ELONGATA				1		1	2	2	.50	91.94	.33	.516	-.21	.88
32	MAGELONA ROSEA				2			2	1	.50	92.44	.33	.816	-.52	1.19
33	CIRRATULID-B	1			1			2	2	.50	92.95	.33	.516	-.21	.88
34	ONUPHIS SPD	2						2	1	.50	93.45	.33	.816	-.52	1.19
35	NUCULANA ACUTA				2			2	1	.50	93.95	.33	.816	-.52	1.19
36	TEINOSTOMA BISCAYNENSE				2			2	1	.50	94.46	.33	.816	-.52	1.19
37	NEPHTYIDAE		2					2	1	.50	94.96	.33	.816	-.52	1.19
38	ARICIDEA JEFFREYSII				2			2	1	.50	95.47	.33	.816	-.52	1.19
39	MALACOCEROS VANDERHORSTI	1					1	2	2	.50	95.97	.33	.516	-.21	.88
40	PSEUDEURYTHOE AMBIGUA			1				1	1	.25	96.22	.17	.408	-.26	.60
41	ARICIDEA TAYLORI				1			1	1	.25	96.47	.17	.408	-.26	.60
42	SCHISTOMERINGOS RUDOLPHI					1		1	1	.25	96.73	.17	.408	-.26	.60
43	ASYCHIS SP						1	1	1	.25	96.98	.17	.408	-.26	.60
44	NUCULANA CONCENTRICA					1		1	1	.25	97.23	.17	.408	-.26	.60
45	CIRRATULIDAE			1				1	1	.25	97.48	.17	.408	-.26	.60
46	TEREBELLIDES STROEMII	1						1	1	.25	97.73	.17	.408	-.26	.60
47	CHASMOCARCINUS MISSISSIPPIENSIS				1			1	1	.25	97.98	.17	.408	-.26	.60
48	CIRROPHORUS LYRIFORMIS				1			1	1	.25	98.24	.17	.408	-.26	.60
49	AUTOMATE SP			1				1	1	.25	98.49	.17	.408	-.26	.60
50	VITRINELLA FLORIDANA				1			1	1	.25	98.74	.17	.408	-.26	.60
51	GLYCERA SPB			1				1	1	.25	98.99	.17	.408	-.26	.60
52	MALDANIDAE	1						1	1	.25	99.24	.17	.408	-.26	.60
53	RANINOIDES SP		1					1	1	.25	99.50	.17	.408	-.26	.60
54	BRYOZOA			1				1	1	.25	99.75	.17	.408	-.26	.60
55	SYNCHELIDIUM CF AMERICANUM				1			1	1	.25	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	22	15	22	35	16	19								
	NO. OF INDIVIDUALS	41	29	80	154	43	50	397							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	IV	55	397	4.5223	.9238	.6364

STATION 6 TRANSECT IV PERIOD 77WINTER

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 MALDANIDAE	3	20	13	25	22	16	99	6	10.06	10.06	16.50	7.868	8.24	24.76
2 PARAMPHINOME PULCHELLA	5	12	7	6	12	14	56	6	5.69	15.75	9.33	3.777	5.37	13.30
3 THYASIRA SPA	1	8	16	10	8	4	47	6	4.78	20.53	7.83	5.154	2.42	13.24
4 SABELLIDAE		4	14		16	3	37	4	3.76	24.29	6.17	7.055	-1.24	13.57
5 GLOTTIDIA PYRAMIDATA	7	10	7	5	4	2	35	6	3.56	27.85	5.83	2.787	2.91	8.76
6 SPIOCHAETOPTERUS COSTARUM		10	2	15	2	3	32	5	3.25	31.10	5.33	5.854	-.81	11.48
7 PSEUDOPHILOMEDES SPA	4	4	12	3	6	2	31	6	3.15	34.25	5.17	3.601	1.39	8.95
8 SPHAEROSYLLIS CF SUBLAEVIS		4	5	9	7	1	26	5	2.64	36.89	4.33	3.445	.72	7.95
9 NEMERTINEA		9	1	8	6	1	25	5	2.54	39.43	4.17	3.971	-.00	8.33
10 ASYCHIS SP	2	6	8	3	1	5	25	6	2.54	41.97	4.17	2.639	1.40	6.94
11 RUTIDERMA SPB	1	4	2	7	8	3	25	6	2.54	44.51	4.17	2.787	1.24	7.09
12 OPHIUROIDEA	3	5	5	3	1	4	21	6	2.13	46.65	3.50	1.517	1.91	5.09
13 ASYCHIS ELONGATA	3	3		4	3	6	19	5	1.93	48.58	3.17	1.941	1.13	5.20
14 TEREBELLIDES STROEMII		1	7	5	2	1	16	5	1.63	50.20	2.67	2.733	-.20	5.53
15 PALEANOTUS HETEROSETA	1	6	2	3		4	16	5	1.63	51.83	2.67	2.160	.40	4.93
16 PHILOMEDES SPA	1	4		3	5		13	4	1.32	53.15	2.17	2.137	-.08	4.41
17 AMPHARETIDAE	1	2	1	3	2	3	12	6	1.22	54.37	2.00	.894	1.06	2.94
18 NUCULANA ACUTA		2	3	4		3	12	4	1.22	55.59	2.00	1.673	.24	3.76
19 SIPUNCULA	1		3		5	3	12	4	1.22	56.81	2.00	2.000	-.10	4.10
20 SPIOPHANES SPA		2	2	3	2	2	11	5	1.12	57.93	1.83	.983	.80	2.87
21 CUMACEAN SPI	1	1	2	3	2		9	5	.91	58.84	1.50	1.049	.40	2.60
22 CIRRATULIDAE		6			3		9	2	.91	59.76	1.50	2.510	-1.13	4.13
23 SPIONIDAE				3	5		8	2	.81	60.57	1.33	2.160	-.93	3.60
24 NEPHTYS INCISA		2	3		3		8	3	.81	61.38	1.33	1.506	-.25	2.91
25 EUDORELLA MONODON		2	3		1	2	8	4	.81	62.20	1.33	1.211	.06	2.60
26 CORBULA SWIFTIANA	1	1	1	3	2		8	5	.81	63.01	1.33	1.033	.25	2.42
27 FABRICIA SPA				8			8	1	.81	63.82	1.33	3.266	-2.09	4.76
28 MINUSPIO CIRRIFERA				7			7	1	.71	64.53	1.17	2.858	-1.83	4.17
29 STHENOLEPIS CF JAPONICA	1	3	1	1		1	7	5	.71	65.24	1.17	.983	.13	2.20
30 HARBANSUS PAUCICHELATUS	2	1	1	1	2		7	5	.71	65.96	1.17	.753	.38	1.96
31 SARSIELLA CF GREYI			1	5	1		7	3	.71	66.67	1.17	1.941	-.87	3.20
32 PARAPRIONOSPIO PINNATA		2		1	2	2	7	4	.71	67.38	1.17	.983	.13	2.20
33 HALIOPHASMA SPA		1	1	1		3	6	4	.61	67.99	1.00	1.095	-.15	2.15
34 ONUPHIDAE			3	2	1		6	3	.61	68.60	1.00	1.265	-.33	2.33
35 SIGAMBRA TENTACULATA	1	4			1		6	3	.61	69.21	1.00	1.549	-.63	2.63
36 PARASTEROPE LATA			2		3	1	6	3	.61	69.82	1.00	1.265	-.33	2.33
37 DIPLODONTA CF SOROR			1	2		3	6	3	.61	70.43	1.00	1.265	-.33	2.33
38 SYLLIS CORNUTA		3		2		1	6	3	.61	71.04	1.00	1.265	-.33	2.33
39 PARAONIDES LYRA		1			4		5	2	.51	71.54	.83	1.602	-.85	2.51
40 GRUBEULEPIS SP		1	3		1		5	3	.51	72.05	.83	1.169	-.39	2.06
41 CERATOCEPHALE OCULATA	1	1			2	1	5	4	.51	72.56	.83	.753	.04	1.62
42 POLYDORA CF HARTMANAE					1	4	5	2	.51	73.07	.83	1.602	-.85	2.51
43 POLYNOIDAE	1	1			3		5	3	.51	73.58	.83	1.169	-.39	2.06
44 GONIADA NORVEGICA	2			2		1	5	3	.51	74.09	.83	.983	-.20	1.87
45 NOTOMASTUS LATERICEUS		1		4			5	2	.51	74.59	.83	1.602	-.85	2.51
46 AMPHARETE PARVIDENTATA		1		4			5	2	.51	75.10	.83	1.602	-.85	2.51
47 POLYCHAETE SPA		2		3			5	2	.51	75.61	.83	1.529	-.56	2.23
48 APANTHURA MAGNIFICA			2	2		1	5	3	.51	76.12	.83	.983	-.20	1.87
49 NEPHTYIDAE	1			4			5	2	.51	76.63	.83	1.602	-.85	2.51
50 CHAETOPTERIDAE				3	1		4	2	.41	77.03	.67	1.211	-.60	1.94
51 ONUPHIS SPA	1	1	2				4	3	.41	77.44	.67	.816	-.19	1.52
52 NOTOMASTUS CF LATERICEUS				1	1	2	4	3	.41	77.85	.67	.816	-.19	1.52
53 POECILOCHAETUS JOHNSONI	1		2		1		4	3	.41	78.25	.67	.816	-.19	1.52
54 CHLOEIA VIRIDIS	1		1		2		4	3	.41	78.66	.67	.816	-.19	1.52

55	PARANDALIA SPA	1	1	1	1		4	4	.41	79.07	.67	.516	.12	1.21
56	ONUPHIS SPF	1	1			2	4	3	.41	79.47	.67	.816	-.19	1.52
57	THARYX MARIONI		2	2			4	2	.41	79.88	.67	1.033	-.42	1.75
58	PARAONIS GRACILIS		1	1	2		4	3	.41	80.28	.67	.816	-.19	1.52
59	SYLLIS SPC		1		3		4	2	.41	80.69	.67	1.211	-.60	1.94
60	TELLINIDAE		1			3	4	2	.41	81.10	.67	1.211	-.60	1.94
61	PHOTIS MACROMANUS		2	2			4	2	.41	81.50	.67	1.033	-.42	1.75
62	CERAPUS TUBULARIS		2	2			4	2	.41	81.91	.67	1.033	-.42	1.75
63	AUTOMATE EVERMANNI			2	2		4	2	.41	82.32	.67	1.033	-.42	1.75
64	PARAONIDAE	2	1				3	2	.30	82.62	.50	.837	-.38	1.38
65	ARMANDIA MACULATA	1			2		3	2	.30	82.93	.50	.837	-.38	1.38
66	SPIOPHANES LONGICIRRUS			2		1	3	2	.30	83.23	.50	.837	-.38	1.38
67	AGLAOPHAMUS INERMIS			2	1		3	2	.30	83.54	.50	.837	-.38	1.38
68	PTILANTHURA CF TRICARINA	1	1			1	3	3	.30	83.84	.50	.548	-.07	1.07
69	AEDICIRA BELGICAE	1		2			3	2	.30	84.15	.50	.837	-.38	1.38
70	DENDROCHIROTIDA	1			1	1	3	3	.30	84.45	.50	.548	-.07	1.07
71	VENERIDAE				2	1	3	2	.30	84.76	.50	.837	-.38	1.38
72	COSSURA DELTA		1	2			3	2	.30	85.06	.50	.837	-.38	1.38
73	CAPITELLIDAE		1		2		3	2	.30	85.37	.50	.837	-.38	1.38
74	NOTOMASTUS CF AMERICANUS	3					3	1	.30	85.67	.50	1.225	-.79	1.79
75	MEDIOMASTUS CALIFORNIENSIS	1	1		1		3	3	.30	85.98	.50	.548	-.07	1.07
76	TEREBELLIDAE		1	2			3	2	.30	86.28	.50	.837	-.38	1.38
77	AMPHARETE ACUTIFRONS		1		1	1	3	3	.30	86.59	.50	.548	-.07	1.07
78	ONUPHIS NEBULOSA		1	2			3	2	.30	86.89	.50	.837	-.38	1.38
79	PHYLLODOCE MUCOSA	1		1	1		3	3	.30	87.20	.50	.548	-.07	1.07
80	CALLIANASSA MARGINATA	2			1		3	2	.30	87.50	.50	.837	-.38	1.38
81	SARSIELLA SPK	1	1		1		3	3	.30	87.80	.50	.548	-.07	1.07
82	CUMACEAN SPG	1	1				2	2	.20	88.01	.33	.516	-.21	.88
83	NOTOMASTUS AMERICANUS			2			2	1	.20	88.21	.33	.816	-.52	1.19
84	ANADARA TRANSVERSA				1	1	2	2	.20	88.41	.33	.516	-.21	.88
85	CUMACEAN			1		1	2	2	.20	88.62	.33	.516	-.21	.88
86	AGLAOPHAMUS CIRCINATA	1				1	2	2	.20	88.82	.33	.516	-.21	.88
87	HETEROPHOXUS CF OCULATUS	2					2	1	.20	89.02	.33	.816	-.52	1.19
88	PROCESSIDAE					2	2	1	.20	89.23	.33	.816	-.52	1.19
89	CAPRELLID	1	1				2	2	.20	89.43	.33	.516	-.21	.88
90	OSTRACOD SPMM	1			1		2	2	.20	89.63	.33	.516	-.21	.88
91	KALLIAPSEUDES SPA	1			1		2	2	.20	89.84	.33	.516	-.21	.88
92	LUMBRINERIS TENUIS	1	1				2	2	.20	90.04	.33	.516	-.21	.88
93	HARBANUS PAUCICHELATUS				2		2	1	.20	90.24	.33	.816	-.52	1.19
94	PHILINE SAGRA	1		1			2	2	.20	90.45	.33	.516	-.21	.88
95	VAUNTHOMPSONIA SP	1	1				2	2	.20	90.65	.33	.516	-.21	.88
96	DIOPATRA SP	1			1		2	2	.20	90.85	.33	.516	-.21	.88
97	GONEPLACIDAE		1	1			2	2	.20	91.06	.33	.516	-.21	.88
98	DENTALIUM SOWERBYI					2	2	1	.20	91.26	.33	.816	-.52	1.19
99	STERNASPIS SCUTATA	1		1			2	2	.20	91.46	.33	.516	-.21	.88
100	PHORONIDA		1	1			2	2	.20	91.67	.33	.516	-.21	.88
101	AMPHICTEIS SPA		1	1			2	2	.20	91.87	.33	.516	-.21	.88
102	THARYX ANNULOSUS	1				1	2	2	.20	92.07	.33	.516	-.21	.88
103	LAONICE CIRRATA		2				2	1	.20	92.28	.33	.816	-.52	1.19
104	PARALACYDONIA PARADOXA		1			1	2	2	.20	92.48	.33	.516	-.21	.88
105	MAGELONA LONGICORNIS		1		1		2	2	.20	92.68	.33	.516	-.21	.88
106	PILARGIS BERKELYAE		1			1	2	2	.20	92.89	.33	.516	-.21	.88
107	PANDORA SPA	1	1				2	2	.20	93.09	.33	.516	-.21	.88
108	CERIANTHARIA			1	1		2	2	.20	93.29	.33	.516	-.21	.88
109	EXOGONE DISPAR	1			1		2	2	.20	93.50	.33	.516	-.21	.88
110	ABRA AEQUALIS		2				2	1	.20	93.70	.33	.816	-.52	1.19
111	CLYMENELLA TORQUATA			1	1		2	2	.20	93.90	.33	.516	-.21	.88
112	SICYONIA DORSALIS			1			1	1	.10	94.00	.17	.408	-.26	.60
113	CUSPIDARIA MEDIA			1			1	1	.10	94.11	.17	.408	-.26	.60
114	LEPTOCHELA CF BERMUDENSIS			1			1	1	.10	94.21	.17	.408	-.26	.60
115	ANOPLODACTYLUS PETIOLATUS		1				1	1	.10	94.31	.17	.408	-.26	.60
116	OSTRACOD SPJJ			1			1	1	.10	94.41	.17	.408	-.26	.60

117	DENTALIIDAE			1					1	1	.10	94.51	.17	.408	-.26	.60
118	LUMBRINERIS CF MAGALHAENSIS					1			1	1	.10	94.61	.17	.408	-.26	.60
119	CHONE SP				1				1	1	.10	94.72	.17	.408	-.26	.60
120	ASTROPECTEN SP				1				1	1	.10	94.82	.17	.408	-.26	.60
121	ASTACILLA CF LAUFFI				1				1	1	.10	94.92	.17	.408	-.26	.60
122	CIRROPHORUS BRANCHIATUS		1						1	1	.10	95.02	.17	.408	-.26	.60
123	BRYOZOA		1						1	1	.10	95.12	.17	.408	-.26	.60
124	ASYCHIS CAROLINAE			1					1	1	.10	95.22	.17	.408	-.26	.60
125	TELLINA SQUAMIFERA				1				1	1	.10	95.33	.17	.408	-.26	.60
126	AMPHARETE AMERICANA				1				1	1	.10	95.43	.17	.408	-.26	.60
127	MEGALOMMA CF QUADRIOCULATUM						1		1	1	.10	95.53	.17	.408	-.26	.60
128	LUMBRINERIS PARVAPEDATA						1		1	1	.10	95.63	.17	.408	-.26	.60
129	NEPHTYS PICTA			1					1	1	.10	95.73	.17	.408	-.26	.60
130	TANAID SPC				1				1	1	.10	95.83	.17	.408	-.26	.60
131	LYONSIA HYALINA FLORIDANA			1					1	1	.10	95.93	.17	.408	-.26	.60
132	STHENELAIS BOA				1				1	1	.10	96.04	.17	.408	-.26	.60
133	CHASMOCARCINUS MISSISSIPPIENSIS		1						1	1	.10	96.14	.17	.408	-.26	.60
134	ARICIDEA CF FRAGILIS						1		1	1	.10	96.24	.17	.408	-.26	.60
135	SERPULIDAE				1				1	1	.10	96.34	.17	.408	-.26	.60
136	SANGUINOLARIA SANGUINOLENTA					1			1	1	.10	96.44	.17	.408	-.26	.60
137	EUNICE SPA			1					1	1	.10	96.54	.17	.408	-.26	.60
138	EUCHONE ROSEA			1					1	1	.10	96.65	.17	.408	-.26	.60
139	AMAEANA ACCRAENSIS			1					1	1	.10	96.75	.17	.408	-.26	.60
140	OPHIOGLYCERA CF DISTORTA		1						1	1	.10	96.85	.17	.408	-.26	.60
141	SPIOPHANES WIGLEYI		1						1	1	.10	96.95	.17	.408	-.26	.60
142	SERPULA VERMICULARIS			1					1	1	.10	97.05	.17	.408	-.26	.60
143	XENANTHURA BREVITELSON						1		1	1	.10	97.15	.17	.408	-.26	.60
144	NEREIDAE					1			1	1	.10	97.26	.17	.408	-.26	.60
145	HETEROSPIO LONGISSIMA			1					1	1	.10	97.36	.17	.408	-.26	.60
146	GONIADIDAE		1						1	1	.10	97.46	.17	.408	-.26	.60
147	POLYDORA CF SOCIALIS			1					1	1	.10	97.56	.17	.408	-.26	.60
148	LEUCOSIIDAE		1						1	1	.10	97.66	.17	.408	-.26	.60
149	CRASSINELLA MARTINICENSIS	1							1	1	.10	97.76	.17	.408	-.26	.60
150	CALLIANASSA SP			1					1	1	.10	97.87	.17	.408	-.26	.60
151	AUTOMATE SP		1						1	1	.10	97.97	.17	.408	-.26	.60
152	DRILONEREIS MAGNA	1							1	1	.10	98.07	.17	.408	-.26	.60
153	SYLLIS SPB			1					1	1	.10	98.17	.17	.408	-.26	.60
154	TANAID SPB						1		1	1	.10	98.27	.17	.408	-.26	.60
155	CLYTIA LONGICYATHA					1			1	1	.10	98.37	.17	.408	-.26	.60
156	LOIMIA MEDUSA			1					1	1	.10	98.48	.17	.408	-.26	.60
157	MARPHYSA SPB		1						1	1	.10	98.58	.17	.408	-.26	.60
158	CIRROPHORUS LYRIFORMIS					1			1	1	.10	98.68	.17	.408	-.26	.60
159	MAGELONA PHYLLISAE						1		1	1	.10	98.78	.17	.408	-.26	.60
160	CERATONEREIS IRRITABILIS					1			1	1	.10	98.88	.17	.408	-.26	.60
161	DENTALIUM CF EBOREUM		1						1	1	.10	98.98	.17	.408	-.26	.60
162	LUMBRINERIS SP				1				1	1	.10	99.09	.17	.408	-.26	.60
163	PITAR CORDATUS		1						1	1	.10	99.19	.17	.408	-.26	.60
164	MEGALOMMA CF LOBIFERUM					1			1	1	.10	99.29	.17	.408	-.26	.60
165	AMPELISCA ABDITA					1			1	1	.10	99.39	.17	.408	-.26	.60
166	PARAONIS SPA		1						1	1	.10	99.49	.17	.408	-.26	.60
167	GONIADA TERES					1			1	1	.10	99.59	.17	.408	-.26	.60
168	SYLLIS FERRUGINA					1			1	1	.10	99.70	.17	.408	-.26	.60
169	WEBSTERINEREIS TRIDENTATA					1			1	1	.10	99.80	.17	.408	-.26	.60
170	DENTALIUM TEXASIANUM					1			1	1	.10	99.90	.17	.408	-.26	.60
171	NATICA SP						1		1	1	.10	100.00	.17	.408	-.26	.60

NO. OF SPECIES	34	72	75	74	74	53	
NO. OF INDIVIDUALS	56	190	185	227	197	129	984

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY

STATION 7 TRANSECT IV PERIOD 77WINTER

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	NEMERTINEA	5	1		1		10	17	4	11.33	11.33	2.83	3.971	-1.33	7.00
2	THARYX MARIONI	2		2		10	3	17	4	11.33	22.67	2.83	3.710	-1.06	6.73
3	PARAPRIONOSPIO PINNATA	2	1	6		3	4	16	5	10.67	33.33	2.67	2.160	.40	4.93
4	PARAONIS SPA	1	1	2	3	1	4	12	6	8.00	41.33	2.00	1.265	.67	3.33
5	STERNASPIS SCUTATA		1	2	2		2	7	4	4.67	46.00	1.17	.983	.13	2.20
6	PARALACYDONIA PARADOXA		1		1	1	3	6	4	4.00	50.00	1.00	1.095	-.15	2.15
7	COSSURA DELTA	2	1			2		5	3	3.33	53.33	.83	.983	-.20	1.87
8	PARAONIS GRACILIS	1			1	3		5	3	3.33	56.67	.83	1.169	-.39	2.06
9	NEPHTYS INCISA			2	1	1	1	5	4	3.33	60.00	.83	.753	.04	1.62
10	SIPUNCULA	2				1	1	4	3	2.67	62.67	.67	.816	-.19	1.52
11	LUMBRINERIS TENUIS		1			1	1	3	3	2.00	64.67	.50	.548	-.07	1.07
12	OPHIUROIDEA	1		1			1	3	3	2.00	66.67	.50	.548	-.07	1.07
13	SIGAMBRA TENTACULATA	2					1	3	2	2.00	68.67	.50	.837	-.38	1.38
14	GONIADA MACULATA					1	2	3	2	2.00	70.67	.50	.837	-.38	1.38
15	THYASIRA PYGMAEA		1	2				3	2	2.00	72.67	.50	.837	-.38	1.38
16	AGLAOPHAMUS CIRCINATA	1			1		1	3	3	2.00	74.67	.50	.548	-.07	1.07
17	PITAR CORDATUS			3				3	1	2.00	76.67	.50	1.225	-.79	1.79
18	NINOE NIGRIPES					1	1	2	2	1.33	78.00	.33	.516	-.21	.88
19	SPIONIDAE						2	2	1	1.33	79.33	.33	.816	-.52	1.19
20	SYLLIS SPC			1			1	2	2	1.33	80.67	.33	.516	-.21	.88
21	MINUSPIO CIRRIFERA		1					1	1	.67	81.33	.17	.408	-.26	.60
22	MEIODORVILLEA SPA						1	1	1	.67	82.00	.17	.408	-.26	.60
23	AMPHICTEIS GUNNERI			1				1	1	.67	82.67	.17	.408	-.26	.60
24	NOTOMASTUS HEMIPODUS			1				1	1	.67	83.33	.17	.408	-.26	.60
25	TEREBELLIDES STROEMII			1				1	1	.67	84.00	.17	.408	-.26	.60
26	LUMBRINERIS PARVAPEDATA			1				1	1	.67	84.67	.17	.408	-.26	.60
27	NEPHTYIDAE		1					1	1	.67	85.33	.17	.408	-.26	.60
28	VOLVULELLA RECTA				1			1	1	.67	86.00	.17	.408	-.26	.60
29	AMPELISCA VERRILLI	1						1	1	.67	86.67	.17	.408	-.26	.60
30	ANCISTROSYLLIS GROENLANDICA					1		1	1	.67	87.33	.17	.408	-.26	.60
31	DENTALIUM SOWERBYI					1		1	1	.67	88.00	.17	.408	-.26	.60
32	SYLLIS CORNUTA		1					1	1	.67	88.67	.17	.408	-.26	.60
33	PILARGIS BERKELYAE		1					1	1	.67	89.33	.17	.408	-.26	.60
34	BYBLIS CF AFFINIS		1					1	1	.67	90.00	.17	.408	-.26	.60
35	SABELLIDAE						1	1	1	.67	90.67	.17	.408	-.26	.60
36	CIRROPHORUS BRANCHIATUS						1	1	1	.67	91.33	.17	.408	-.26	.60
37	STHENOLEPIS CF JAPONICA				1			1	1	.67	92.00	.17	.408	-.26	.60
38	ONUPHIS SPA		1					1	1	.67	92.67	.17	.408	-.26	.60
39	MOIRA ATROPOS						1	1	1	.67	93.33	.17	.408	-.26	.60
40	HETEROSPIO LONGISSIMA				1			1	1	.67	94.00	.17	.408	-.26	.60
41	ACTINIARIA SPA				1			1	1	.67	94.67	.17	.408	-.26	.60
42	CALLIANASSA LATISPINA					1		1	1	.67	95.33	.17	.408	-.26	.60
43	AMYGDALUM PAPYRIUM		1					1	1	.67	96.00	.17	.408	-.26	.60
44	SCUTOPUS SPA			1				1	1	.67	96.67	.17	.408	-.26	.60
45	TELLINIDAE		1					1	1	.67	97.33	.17	.408	-.26	.60
46	VOLVULELLA TEXASIANA			1				1	1	.67	98.00	.17	.408	-.26	.60
47	PHILOMEDES SPA				1			1	1	.67	98.67	.17	.408	-.26	.60
48	PHILINE SAGRA			1				1	1	.67	99.33	.17	.408	-.26	.60
49	ALTERNOCHELATA SPA			1				1	1	.67	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	11	16	17	12	14	20								
	NO. OF INDIVIDUALS	20	16	29	15	28	42	150							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	IV	49	150	4.8150	.9504	.8776

STATION 1 TRANSECT I PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA	30	31	35	20	73	18	207	6	35.08	35.08	34.50	19.987	13.52	55.48
2	MAGELONA PHYLLISAE	33	14		23	21	10	101	5	17.12	52.20	16.83	11.444	4.82	28.85
3	MEDIOMASTUS CALIFORNIENSIS	6	2	32	14	22	3	79	6	13.39	65.59	13.17	11.940	.63	25.70
4	VITRINELLA FLORIDANA			10	5	13		28	3	4.75	70.34	4.67	5.715	-1.33	10.67
5	COSSURA DELTA	5	6	1	3	6	4	25	6	4.24	74.58	4.17	1.941	2.13	6.20
6	NEMERTINEA		1	16	5	1	1	24	5	4.07	78.64	4.00	6.132	-2.44	10.44
7	NEPHTYS INCISA	7	2	3	1	5	1	19	6	3.22	81.86	3.17	2.401	.65	5.69
8	SIPUNCULA	3	1	1	3	6		14	5	2.37	84.24	2.33	2.160	.07	4.60
9	ANCISTROSYLLIS JONESI	1	2	2		6		11	4	1.86	86.10	1.83	2.229	-.51	4.17
10	MAGELONA LONGICORNIS			9		1	1	11	3	1.86	87.97	1.83	3.545	-1.89	5.55
11	ASYCHIS SP	1	5		1		4	11	4	1.86	89.83	1.83	2.137	-.41	4.08
12	OPHIUROIDEA	9						9	1	1.53	91.36	1.50	3.674	-2.36	5.36
13	TEINOSTOMA BISCAYNENSE	5				2		7	2	1.19	92.54	1.17	2.041	-.98	3.31
14	TEREBRA PROTEXTA	2			1	2		5	3	.85	93.39	.83	.983	-.20	1.87
15	SIGAMBRA TENTACULATA		1	1	1	1		4	4	.68	94.07	.67	.516	.12	1.21
16	NOTOMASTUS CF LATERICEUS	3	1					4	2	.68	94.75	.67	1.211	-.60	1.94
17	NINOE NIGRIPES	1		1			1	3	3	.51	95.25	.50	.548	-.07	1.07
18	PARAONIS GRACILIS		1	2				3	2	.51	95.76	.50	.837	-.38	1.38
19	SIGAMBRA BASSI			2				2	1	.34	96.10	.33	.816	-.52	1.19
20	NUCULANA CONCENTRICA				2			2	1	.34	96.44	.33	.816	-.52	1.19
21	LUMBRINERIS PARVAPEDATA			1		1		2	2	.34	96.78	.33	.516	-.21	.88
22	PARAONIDAE			1			1	2	2	.34	97.12	.33	.516	-.21	.88
23	PINNOTHERIDAE			2				2	1	.34	97.46	.33	.816	-.52	1.19
24	NATICA CANRENA			1				1	1	.17	97.63	.17	.408	-.26	.60
25	PITAR CORDATUS						1	1	1	.17	97.80	.17	.408	-.26	.60
26	ALPHEUS FLORIDANUS	1						1	1	.17	97.97	.17	.408	-.26	.60
27	TRACHYPENAEUS SIMILIS				1			1	1	.17	98.14	.17	.408	-.26	.60
28	SPIOPHANES SPA						1	1	1	.17	98.31	.17	.408	-.26	.60
29	LUMBRINERIS TENUIS					1		1	1	.17	98.47	.17	.408	-.26	.60
30	SPIONIDAE			1				1	1	.17	98.64	.17	.408	-.26	.60
31	ANCISTROSYLLIS GROENLANDICA			1				1	1	.17	98.81	.17	.408	-.26	.60
32	NOTOMASTUS AMERICANUS	1						1	1	.17	98.98	.17	.408	-.26	.60
33	THARYX MARIONI	1						1	1	.17	99.15	.17	.408	-.26	.60
34	DIOPATRA SP	1						1	1	.17	99.32	.17	.408	-.26	.60
35	NOTOMASTUS LOBATUS				1			1	1	.17	99.49	.17	.408	-.26	.60
36	PALEANOTUS HETEROSETA			1				1	1	.17	99.66	.17	.408	-.26	.60
37	DIOPATRA CF NEOTRIDENS						1	1	1	.17	99.83	.17	.408	-.26	.60
38	LISTRIELLA BARNARDI						1	1	1	.17	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	17	12	20	14	15	14								
	NO. OF INDIVIDUALS	110	67	123	81	161	48	590							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	I	38	590	3.3334	.8220	.3947

STATION 2 TRANSECT I PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	ASYCHIS SP	56	21	15	25	33	25	175	6	20.47	20.47	29.17	14.400	14.05	44.28
2	PARADNIS SPA	33	43	19	19	15	9	138	6	16.14	36.61	23.00	12.586	9.79	36.21
3	PARAPRIONOSPIO PINNATA	20	12	12	13	9	21	87	6	10.18	46.78	14.50	4.848	9.41	19.59
4	PARADNIS GRACILIS	10	9	6	7	6	8	46	6	5.38	52.16	7.67	1.633	5.95	9.38
5	ASYCHIS ELONGATA	6	2	3	12	9	2	34	6	3.98	56.14	5.67	4.131	1.33	10.00
6	LUMBRINERIS PARVAPEDATA	5	5	4	7	6	4	31	6	3.63	59.77	5.17	1.169	3.94	6.39
7	MAGELONA LONGICORNIS	5	6	5	1	5	5	27	6	3.16	62.92	4.50	1.761	2.65	6.35
8	APSEUDES SPA		1				25	26	2	3.04	65.96	4.33	10.132	-6.30	14.97
9	NEMERTINEA	7				8	8	23	3	2.69	68.65	3.83	4.215	-.59	8.26
10	NEPHTYS INCISA	4		3	5	5	2	19	5	2.22	70.88	3.17	1.941	1.13	5.20
11	COSSURA DELTA	3	1	2	3	2	5	16	6	1.87	72.75	2.67	1.366	1.23	4.10
12	NATICA SP	1	5	3		3	1	13	5	1.52	74.27	2.17	1.835	.24	4.09
13	AMPELISCA ABDITA	1	1	1	1	4	4	12	6	1.40	75.67	2.00	1.549	.37	3.63
14	SPIONIDAE		2	4	5		1	12	4	1.40	77.08	2.00	2.098	-.20	4.20
15	VOLVULELLA TEXASIANA	3		3		5		11	3	1.29	78.36	1.83	2.137	-.41	4.08
16	AMPELISCA VERRILLI		2	2	1	2	3	10	5	1.17	79.53	1.67	1.033	.58	2.75
17	LAONICE CIRRATA	2	1	2	1	2	1	9	6	1.05	80.58	1.50	.548	.93	2.07
18	NOTOMASTUS CF LATERICEUS	2		1	1	3	2	9	5	1.05	81.64	1.50	1.049	.40	2.60
19	CIRROPHORUS LYRIFORMIS	2	3	1	1	1	1	9	6	1.05	82.69	1.50	.837	.62	2.38
20	AMPELISCA AGASSIZI				1	6		7	2	.82	83.51	1.17	2.401	-1.35	3.69
21	CORBULA SWIFTIANA	1				4	2	7	3	.82	84.33	1.17	1.602	-.51	2.85
22	EUDORELLA MONODON				1	2	3	6	3	.70	85.03	1.00	1.265	-.33	2.33
23	ABRA AEQUALIS					4	2	6	2	.70	85.73	1.00	1.673	-.76	2.76
24	MEDIOMASTUS CALIFORNIENSIS	2		1		1	2	6	4	.70	86.43	1.00	.894	.06	1.94
25	LISTRIELLA BARNARDI					1	4	5	2	.58	87.02	.83	1.602	-.85	2.51
26	NOTOMASTUS AMERICANUS	1		1	1	1	1	5	5	.58	87.60	.83	.408	.40	1.26
27	CIRROPHORUS BRANCHIATUS			2		1	2	5	3	.58	88.19	.83	.983	-.20	1.87
28	THARYX MARIONI			2	2	1		5	3	.58	88.77	.83	.983	-.20	1.87
29	MAGELONA ROSEA	2	2					4	2	.47	89.24	.67	1.033	-.42	1.75
30	NEREID(NICON) SPA	1	1	2				4	3	.47	89.71	.67	.816	-.19	1.52
31	SIGAMBRA TENTACULATA	1	1	1		1		4	4	.47	90.18	.67	.516	.12	1.21
32	TELLINIDAE		1	2			1	4	3	.47	90.64	.67	.816	-.19	1.52
33	NEREID SPB			1	2		1	4	3	.47	91.11	.67	.816	-.19	1.52
34	PHORONIDA		1			1	1	3	3	.35	91.46	.50	.548	-.07	1.07
35	OPHIUROIDEA		2			1		3	2	.35	91.81	.50	.837	-.38	1.38
36	AEDICIRA BELGICAE	1				1	1	3	3	.35	92.16	.50	.548	-.07	1.07
37	PINNOTHERIDAE	2				1		3	2	.35	92.51	.50	.837	-.38	1.38
38	THYASIRA SPA	1		1	1			3	3	.35	92.87	.50	.548	-.07	1.07
39	VITRINELLA FLORIDANA	1		1		1		3	3	.35	93.22	.50	.548	-.07	1.07
40	NOTOMASTUS LATERICEUS				1		2	3	2	.35	93.57	.50	.837	-.38	1.38
41	DRILONEREIS MAGNA	1			1	1		3	3	.35	93.92	.50	.548	-.07	1.07
42	THARYX FILIBRANCHIA					1	1	2	2	.23	94.15	.33	.516	-.21	.88
43	MINUSPIO LONGIBRANCHIATA					2		2	1	.23	94.39	.33	.816	-.52	1.19
44	AMPHARETE ACUTIFRONS					1	1	2	2	.23	94.62	.33	.516	-.21	.88
45	LIMNORIA SP	1			1			2	2	.23	94.85	.33	.516	-.21	.88
46	KALLIAPSEUDES SPA	1			1			2	2	.23	95.09	.33	.516	-.21	.88
47	OPHIOGLYCERA CF DISTORTA		2					2	1	.23	95.32	.33	.816	-.52	1.19
48	ONUPHIS SPA				1	1		2	2	.23	95.56	.33	.516	-.21	.88
49	NEPHTYIDAE		1		1			2	2	.23	95.79	.33	.516	-.21	.88
50	ARMANDIA MACULATA		1		1			2	2	.23	96.02	.33	.516	-.21	.88
51	PISTA CRISTATA	1			1			2	2	.23	96.26	.33	.516	-.21	.88
52	ARICIDEA TAYLORI					2		2	1	.23	96.49	.33	.816	-.52	1.19
53	NINOE NIGRIPES	1			1			2	2	.23	96.73	.33	.516	-.21	.88
54	AMPHARETE PARVIDENTATA				1		1	2	2	.23	96.96	.33	.516	-.21	.88

55	AUTOMATE SP					2		2	1	.23	97.19	.33	.816	-.52	1.19
56	ERIOPISA SPB				1			1	1	.12	97.31	.17	.408	-.26	.60
57	OPHIOGLYCERA DISTORTA				1			1	1	.12	97.43	.17	.408	-.26	.60
58	ALPHEUS SP					1		1	1	.12	97.54	.17	.408	-.26	.60
59	ONCIOLA SERRATA	1						1	1	.12	97.66	.17	.408	-.26	.60
60	CIRRATULIDAE		1					1	1	.12	97.78	.17	.408	-.26	.60
61	HYALA SPA					1		1	1	.12	97.89	.17	.408	-.26	.60
62	ARICIDEA CF FRAGILIS			1				1	1	.12	98.01	.17	.408	-.26	.60
63	PARAONIDAE				1			1	1	.12	98.13	.17	.408	-.26	.60
64	CHASMOCARCINUS MISSISSIPPIENSIS		1					1	1	.12	98.25	.17	.408	-.26	.60
65	DIOPATRA TRIDENTATA				1			1	1	.12	98.36	.17	.408	-.26	.60
66	PHOTIS MACROMANUS	1						1	1	.12	98.48	.17	.408	-.26	.60
67	GLYCERA TESSELATA					1		1	1	.12	98.60	.17	.408	-.26	.60
68	GLYCERA CAPITATA		1					1	1	.12	98.71	.17	.408	-.26	.60
69	LEIOLAMBRUS NITIDUS			1				1	1	.12	98.83	.17	.408	-.26	.60
70	ARICIDEA WASSI			1				1	1	.12	98.95	.17	.408	-.26	.60
71	AMPHICTEIS GUNNERI			1				1	1	.12	99.06	.17	.408	-.26	.60
72	LUMBRINERIS TENUIS	1						1	1	.12	99.18	.17	.408	-.26	.60
73	HIPPOMEDON CF SERRATUS				1			1	1	.12	99.30	.17	.408	-.26	.60
74	MONOCULOIDES SPB			1				1	1	.12	99.42	.17	.408	-.26	.60
75	MICROSPIO PIGMENTATA					1		1	1	.12	99.53	.17	.408	-.26	.60
76	ANCISTROSYLLIS PAPILLOSA	1						1	1	.12	99.65	.17	.408	-.26	.60
77	MAGELONA PETTIBONEAE	1						1	1	.12	99.77	.17	.408	-.26	.60
78	SIMENELAIS BOA		1					1	1	.12	99.88	.17	.408	-.26	.60
79	SCOLELEPIS TEXANA					1		1	1	.12	100.00	.17	.408	-.26	.60

NO. OF SPECIES	36	28	32	36	44	33	
NO. OF INDIVIDUALS	183	130	105	125	160	152	855

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	79	855	4.5370	.9115	.4430

STATION 3 TRANSECT I PERIOD 77SPRING

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 SIPUNCULA	2	5	5	1	3	2	18	6	5.94	5.94	3.00	1.673	1.24	4.76
2 PARAONIS GRACILIS	2	1	1	6	3	1	14	6	4.62	10.56	2.33	1.966	.27	4.40
3 PITAR CORDATUS	3	1	4		3	2	13	5	4.29	14.85	2.17	1.472	.62	3.71
4 THARYX MARIONI	3		4		2	3	12	4	3.96	18.81	2.00	1.673	.24	3.76
5 MYALA SPA				1		11	12	2	3.96	22.77	2.00	4.427	-2.65	6.65
6 ERIOPISA INCISA						12	12	1	3.96	26.73	2.00	4.899	-3.14	7.14
7 ALIERNOCHELATA SPA	4		4		1	2	11	4	3.63	30.36	1.83	1.835	-.09	3.76
8 CYCLOCARDIA ARMILLA			4		4	2	10	3	3.30	33.66	1.67	1.966	-.40	3.73
9 SARSIELLA CF GREYI		1	4	1		3	9	4	2.97	36.63	1.50	1.643	-.22	3.22
10 NARHANSUS PAUCICHELATUS	5	1			2		8	3	2.64	39.27	1.33	1.966	-.73	3.40
11 SIGAMBRA TENTACULATA	2		3	2		1	8	4	2.64	41.91	1.33	1.211	.06	2.60
12 ARMANDIA MACULATA	5	1			1	1	8	4	2.64	44.55	1.33	1.862	-.62	3.29
13 PARALACYDONIA PARADOXA	2	1	2			2	7	4	2.31	46.86	1.17	.983	.13	2.20
14 PARAPRIONOSPIO PINNATA	2	1	3			1	7	4	2.31	49.17	1.17	1.169	-.06	2.39
15 AGLAOPHAMUS CIRCINATA	1		4		1	1	7	4	2.31	51.49	1.17	1.472	-.38	2.71
16 SPIONIDAE			1	1		4	6	3	1.98	53.47	1.00	1.549	-.63	2.63
17 NEMERTINEA		1	1	2		1	5	4	1.65	55.12	.83	.753	.04	1.62
18 LUMBRINERIS PARVAPEDATA	1	1	2	1			5	4	1.65	56.77	.83	.753	.04	1.62
19 THYASIRA PYGMAEA	3		1			1	5	3	1.65	58.42	.83	1.169	-.39	2.06
20 HYBLIS CF AFFINIS	1	1				2	4	3	1.32	59.74	.67	.816	-.19	1.52
21 AMPHARETIDAE	3		1				4	2	1.32	61.06	.67	1.211	-.60	1.94
22 PHILOMEDES SPA	4						4	1	1.32	62.38	.67	1.633	-1.05	2.38
23 FALCIDENS SPA					3	1	4	2	1.32	63.70	.67	1.211	-.60	1.94
24 SANGUINOLARIA SANGUINOLENTA	3		1				4	2	1.32	65.02	.67	1.211	-.60	1.94
25 SCUTOPUS SPA	1					2	3	2	.99	66.01	.50	.837	-.38	1.38
26 NATICA SP	1		1	1			3	3	.99	67.00	.50	.548	-.07	1.07
27 NUCULANA PLATESSA			1		1	1	3	3	.99	67.99	.50	.548	-.07	1.07
28 PHILINE SAGRA	3						3	1	.99	68.98	.50	1.225	-.79	1.79
29 AMPELISCA SPA			3				3	1	.99	69.97	.50	1.225	-.79	1.79
30 HETEROPHOXUS CF OCULATUS			1	1		1	3	3	.99	70.96	.50	.548	-.07	1.07
31 TANAID SPA			2		1		3	2	.99	71.95	.50	.837	-.38	1.38
32 MAGELONA PHYLLISAE	1		1			1	3	3	.99	72.94	.50	.548	-.07	1.07
33 SARSIELLA SPJ	3						3	1	.99	73.93	.50	1.225	-.79	1.79
34 SYLLIDAE	1		1		1		3	3	.99	74.92	.50	.548	-.07	1.07
35 COSSURA DELTA			1		1	1	3	3	.99	75.91	.50	.548	-.07	1.07
36 NEPHTYS INCISA			3				3	1	.99	76.90	.50	1.225	-.79	1.79
37 GLYCERA TESSELATA	1		2				3	2	.99	77.89	.50	.837	-.38	1.38
38 NINOE NIGRIPES			1	1			2	2	.66	78.55	.33	.516	-.21	.88
39 DENTALIUM SOWERBYI	1					1	2	2	.66	79.21	.33	.516	-.21	.88
40 HIPPOMEDON CF SERRATUS	1		1				2	2	.66	79.87	.33	.516	-.21	.88
41 TANAID SPI	1		1				2	2	.66	80.53	.33	.516	-.21	.88
42 DIPLOCIRRUS SP						2	2	1	.66	81.19	.33	.816	-.52	1.19
43 OSTRACOD SPAA	1		1				2	2	.66	81.85	.33	.516	-.21	.88
44 SABELLIDAE	1					1	2	2	.66	82.51	.33	.516	-.21	.88
45 GONIADA MACULATA	1					1	2	2	.66	83.17	.33	.516	-.21	.88
46 STERNASPIS SCUTATA			1		1		2	2	.66	83.83	.33	.516	-.21	.88
47 NEPHTYIDAE			2				2	1	.66	84.49	.33	.816	-.52	1.19
48 PARAONIS SPA			2				2	1	.66	85.15	.33	.816	-.52	1.19
49 ANOMALOCARDIA AUBERIANA	1					1	2	2	.66	85.81	.33	.516	-.21	.88
50 ANCISTROSYLLIS GROENLANDICA			2				2	1	.66	86.47	.33	.816	-.52	1.19
51 SYLLIS SPC				1			1	1	.33	86.80	.17	.408	-.26	.60
52 ONUPHIS SPB	1						1	1	.33	87.13	.17	.408	-.26	.60
53 ONUPHIDAE	1						1	1	.33	87.46	.17	.408	-.26	.60
54 OWENIA FUSIFORMIS					1		1	1	.33	87.79	.17	.408	-.26	.60

55	OSTRACOD SPY						1	1	1	.33	88.12	.17	.408	-.26	.60
56	STHENELAIS BOA			1				1	1	.33	88.45	.17	.408	-.26	.60
57	ACTINIARIA			1				1	1	.33	88.78	.17	.408	-.26	.60
58	RINGICULA SEMISTRIATA	1						1	1	.33	89.11	.17	.408	-.26	.60
59	TANAID SPK	1						1	1	.33	89.44	.17	.408	-.26	.60
60	PARAMEKODON SP			1				1	1	.33	89.77	.17	.408	-.26	.60
61	ABRA AEQUALIS			1				1	1	.33	90.10	.17	.408	-.26	.60
62	ACTINIARIA SPA						1	1	1	.33	90.43	.17	.408	-.26	.60
63	PARAPHOXUS SP	1						1	1	.33	90.76	.17	.408	-.26	.60
64	SARSIELLA SPM			1				1	1	.33	91.09	.17	.408	-.26	.60
65	CUMACEAN SPF	1						1	1	.33	91.42	.17	.408	-.26	.60
66	TANAID SPJ	1						1	1	.33	91.75	.17	.408	-.26	.60
67	MEGALOMMA CF QUADRIOCULATUM	1						1	1	.33	92.08	.17	.408	-.26	.60
68	OSTRACOD SPD						1	1	1	.33	92.41	.17	.408	-.26	.60
69	MONOCULODIDES SPC			1				1	1	.33	92.74	.17	.408	-.26	.60
70	LAONOME SP	1						1	1	.33	93.07	.17	.408	-.26	.60
71	HYDROZOA			1				1	1	.33	93.40	.17	.408	-.26	.60
72	VOLVULELLA TEXASIANA			1				1	1	.33	93.73	.17	.408	-.26	.60
73	SCAPHANDER WATSONI			1				1	1	.33	94.06	.17	.408	-.26	.60
74	LUMBRINERIS ALBIDENTATA	1						1	1	.33	94.39	.17	.408	-.26	.60
75	EUCHONE ROSEA			1				1	1	.33	94.72	.17	.408	-.26	.60
76	CRASSINELLA MARTINICENSIS			1				1	1	.33	95.05	.17	.408	-.26	.60
77	SPIOPHANES WIGLEYI						1	1	1	.33	95.38	.17	.408	-.26	.60
78	MEDIOMASTUS CALIFORNIENSIS	1						1	1	.33	95.71	.17	.408	-.26	.60
79	SPIOPHANES LONGICIRRUS	1						1	1	.33	96.04	.17	.408	-.26	.60
80	PARASTEROPE LATA				1			1	1	.33	96.37	.17	.408	-.26	.60
81	AEDICIRA ALBATROSSAE			1				1	1	.33	96.70	.17	.408	-.26	.60
82	SPIOPHANES SPA			1				1	1	.33	97.03	.17	.408	-.26	.60
83	CERATOCEPHALE OCULATA					1		1	1	.33	97.36	.17	.408	-.26	.60
84	PARDALISCID SPA	1						1	1	.33	97.69	.17	.408	-.26	.60
85	OPHIODROMUS OBSCURUS			1				1	1	.33	98.02	.17	.408	-.26	.60
86	XENANTHURA BREVITELSON					1		1	1	.33	98.35	.17	.408	-.26	.60
87	CALLIANASSA ATLANTICA		1					1	1	.33	98.68	.17	.408	-.26	.60
88	POECILOCHAETUS JOHNSONI	1						1	1	.33	99.01	.17	.408	-.26	.60
89	AEDICIRA BELGICAE			1				1	1	.33	99.34	.17	.408	-.26	.60
90	CALLIANASSA LATISPINA	1						1	1	.33	99.67	.17	.408	-.26	.60
91	ONUPHIS SPA			1				1	1	.33	100.00	.17	.408	-.26	.60

NO. OF SPECIES	46	12	51	13	18	33	
NO. OF INDIVIDUALS	79	16	88	20	31	69	303

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	1	91	303	5.8951	.9797	1.0000

STATION 4 TRANSECT I PERIOD 77SPRING

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 MAGELONA PHYLLISAE	134	164	75	135	170	141	819	6	25.86	25.86	136.50	33.733	101.09	171.91
2 LUMBRINERIS PARVAPEDATA	88	107	91	119	65	96	566	6	17.87	43.73	94.33	18.348	75.07	113.59
3 PARAPRIONOSPIO PINNATA	36	66	35	59	78	56	330	6	10.42	54.15	55.00	16.900	37.26	72.74
4 SIPUNCULA	62	45	55	18	22	12	214	6	6.76	60.91	35.67	21.040	13.58	57.75
5 MEDIOMASTUS CALIFORNIENSIS	14	74	14	18	68	20	208	6	6.57	67.48	34.67	28.303	4.96	64.37
6 ABRA AEQUALIS	5	19	124	3	22	12	185	6	5.84	73.32	30.83	46.249	-17.71	79.38
7 NEMERTINEA	37	18	16	2	5	19	97	6	3.06	76.38	16.17	12.416	3.13	29.20
8 OPHIUROIDEA		39	1	18	16	2	76	5	2.40	78.78	12.67	15.122	-3.21	28.54
9 NEREID(NICON) SPA	3	8	11	9		10	41	5	1.29	80.08	6.83	4.355	2.26	11.40
10 MAGELONA PETTIBONEAE	7	4	3	5	4	3	26	6	.82	80.90	4.33	1.506	2.75	5.91
11 PHOTIS MACROMANUS	1	7	1	6	9	2	26	6	.82	81.72	4.33	3.445	.72	7.95
12 LUMBRINERIS TENUIS	3		2	7	6	8	26	5	.82	82.54	4.33	3.141	1.04	7.63
13 AMPELISCA SPB	5	6		6	7	1	25	5	.79	83.33	4.17	2.927	1.09	7.24
14 NINOE NIGRIPES	3	3	3	4	5	7	25	6	.79	84.12	4.17	1.602	2.49	5.85
15 PINNOTHERIDAE	2	5	5	4	4	3	23	6	.73	84.84	3.83	1.169	2.61	5.06
16 AMPHARETE ACUTIFRONS	2	9		6	6		23	4	.73	85.57	3.83	3.710	-.06	7.73
17 ASYCHIS SP	4	3	2	4	7	3	23	6	.73	86.30	3.83	1.722	2.03	5.64
18 MALDANIDAE	7	1	2	7	3	2	22	6	.69	86.99	3.67	2.658	.88	6.46
19 MAGELONA ROSEA		5	4	4	3	5	21	5	.66	87.65	3.50	1.871	1.54	5.46
20 POLYCHAETE SPA	2	6	3	5	4	1	21	6	.66	88.32	3.50	1.871	1.54	5.46
21 ARICIDEA TAYLORI	7	4		2	8		21	4	.66	88.98	3.50	3.450	-.12	7.12
22 SIGAMBRA TENTACULATA	4	3	1	1	5	4	18	6	.57	89.55	3.00	1.673	1.24	4.76
23 ACTINIARIA		6		6	4		16	3	.51	90.05	2.67	3.011	-.49	5.83
24 OWENIA FUSIFORMIS		7	1	2	4		14	4	.44	90.50	2.33	2.733	-.53	5.20
25 COSSURA DELTA		1	2		3	6	12	4	.38	90.87	2.00	2.280	-.39	4.39
26 AGLAOPHAMUS VERRILLI	2	5		5			12	3	.38	91.25	2.00	2.449	-.57	4.57
27 PARAONIS GRACILIS	1	3		5	2	1	12	5	.38	91.63	2.00	1.789	.12	3.88
28 PRIONOSPIO CRISTATA	2	4	1	2		1	10	5	.32	91.95	1.67	1.366	.23	3.10
29 ARICIDEA JEFFREYSII		4	1	3		2	10	4	.32	92.26	1.67	1.633	-.05	3.38
30 DIPLODONTA CF SOROR	3	4	2				9	3	.28	92.55	1.50	1.761	-.35	3.35
31 SPIONIDAE	1	3	1		2	1	8	5	.25	92.80	1.33	1.033	.25	2.42
32 ANCISTROSYLLIS PAPILLOSA	2	4	1	1			8	4	.25	93.05	1.33	1.506	-.25	2.91
33 CORBULA SWIFTIANA	1		3		3		7	3	.22	93.27	1.17	1.472	-.38	2.71
34 ANADARA TRANSVERSA		5			2		7	2	.22	93.50	1.17	2.041	-.98	3.31
35 NEPHTYIDAE		5		1	1		7	3	.22	93.72	1.17	1.941	-.87	3.20
36 GLYCERA AMERICANA		1	4			2	7	3	.22	93.94	1.17	1.602	-.51	2.85
37 ARICIDEA WASSI	3		2	2			7	3	.22	94.16	1.17	1.329	-.23	2.56
38 AEDICIRA BELGICAE		1	1	1	1	3	7	5	.22	94.38	1.17	.983	.13	2.20
39 SCOLOPLOS RUBRA	2	1	2	1			6	4	.19	94.57	1.00	.894	.06	1.94
40 AGLAOPHAMUS CIRCINATA	1	2			1	2	6	4	.19	94.76	1.00	.894	.06	1.94
41 TELLINIDAE		2			3		5	2	.16	94.92	.83	1.329	-.56	2.23
42 VOLVULELLA RECTA		2		3			5	2	.16	95.07	.83	1.329	-.56	2.23
43 GLYCERA CAPITATA			1	3		1	5	3	.16	95.23	.83	1.169	-.39	2.06
44 AMPHARETIDAE		2	1		2		5	3	.16	95.39	.83	.983	-.20	1.87
45 DIOPATRA CF NEOTRIDENS	2	2				1	5	3	.16	95.55	.83	.983	-.20	1.87
46 NEREIS LAMELLOSA	1	3			1		5	3	.16	95.71	.83	1.169	-.39	2.06
47 LEPIDONOTUS SUBLEVIS		1	2		1		4	3	.13	95.83	.67	.816	-.19	1.52
48 LUCINA AMIANTUS		2		2			4	2	.13	95.96	.67	1.033	-.42	1.75
49 NATICA SP		2		2			4	2	.13	96.08	.67	1.033	-.42	1.75
50 CERATOCEPHALE OCULATA			1	1		2	4	3	.13	96.21	.67	.816	-.19	1.52
51 SIRENELAIS HOA		1			3		4	2	.13	96.34	.67	1.211	-.60	1.94
52 ACTINIARIA SPE		2			1		3	2	.09	96.43	.50	.837	-.38	1.38
53 TEREBRA PROTEXTA		2			1		3	2	.09	96.53	.50	.837	-.38	1.38
54 HAMINOEA SUCCINEA		1	1		1		3	3	.09	96.62	.50	.548	-.07	1.07

55	CORDPHIUM SP		3					3	1	.09	96.72	.50	1.225	-.79	1.79
56	PARAONIDES LYRA			2		1		3	2	.09	96.81	.50	.837	-.38	1.38
57	ANCISTROSYLLIS GROENLANDICA		2				1	3	2	.09	96.91	.50	.837	-.38	1.38
58	PALEANOTUS HETEROSETA		1			1	1	3	3	.09	97.00	.50	.548	-.07	1.07
59	MAGELONA LONGICORNIS					1	2	3	2	.09	97.10	.50	.837	-.38	1.38
60	GONEPLACIDAE		1			1		2	2	.06	97.16	.33	.516	-.21	.88
61	OGYRIDES LIMICOLA		1			1		2	2	.06	97.22	.33	.516	-.21	.88
62	DIOGENIDAE	2						2	1	.06	97.28	.33	.816	-.52	1.19
63	PAGURISTES HUMMI		2					2	1	.06	97.35	.33	.816	-.52	1.19
64	SIGAMBRA SP					2		2	1	.06	97.41	.33	.816	-.52	1.19
65	NEREID SPB	1	1					2	2	.06	97.47	.33	.516	-.21	.88
66	NUCULANA ACUTA		2					2	1	.06	97.54	.33	.816	-.52	1.19
67	NUCULA PROXIMA		2					2	1	.06	97.60	.33	.816	-.52	1.19
68	AMPELISCA VERRILLI	2						2	1	.06	97.66	.33	.816	-.52	1.19
69	TELLINA VERSICOLOR		1			1		2	2	.06	97.73	.33	.516	-.21	.88
70	AMPELISCA AGASSIZI				1	1		2	2	.06	97.79	.33	.516	-.21	.88
71	GYPTIS VITTATA	1				1		2	2	.06	97.85	.33	.516	-.21	.88
72	PARAMETOPELLA TEXENSIS		2					2	1	.06	97.92	.33	.816	-.52	1.19
73	OXYUROSTYLIS SP		1			1		2	2	.06	97.98	.33	.516	-.21	.88
74	DIOPATRA CUPREA		1			1		2	2	.06	98.04	.33	.516	-.21	.88
75	SPEOCARCINUS LOBATUS			1	1			2	2	.06	98.11	.33	.516	-.21	.88
76	NEPHTYS PICTA				1	1		2	2	.06	98.17	.33	.516	-.21	.88
77	NATICA CANRENA				2			2	1	.06	98.23	.33	.816	-.52	1.19
78	NASSARIIDAE				2			2	1	.06	98.29	.33	.816	-.52	1.19
79	PECTINARIA CF GOULDII					2		2	1	.06	98.36	.33	.816	-.52	1.19
80	GLYCERA PAPILLOSA					2		2	1	.06	98.42	.33	.816	-.52	1.19
81	THARYX DORSOBRANCHIALIS		2					2	1	.06	98.48	.33	.816	-.52	1.19
82	GLYCERA SPB			1				1	1	.03	98.52	.17	.408	-.26	.60
83	MINUSPIO LONGIBRANCHIATA						1	1	1	.03	98.55	.17	.408	-.26	.60
84	POLYNOIDAE					1		1	1	.03	98.58	.17	.408	-.26	.60
85	LOIMIA MEDUSA			1				1	1	.03	98.61	.17	.408	-.26	.60
86	PHYLLODOCE MUCOSA				1			1	1	.03	98.64	.17	.408	-.26	.60
87	SICYONIA DORSALIS					1		1	1	.03	98.67	.17	.408	-.26	.60
88	VOLVULELLA TEXASIANA					1		1	1	.03	98.71	.17	.408	-.26	.60
89	MICROSPIO PIGMENTATA					1		1	1	.03	98.74	.17	.408	-.26	.60
90	SINUM MACULATUM						1	1	1	.03	98.77	.17	.408	-.26	.60
91	ONUPHIS NEBULOSA	1						1	1	.03	98.80	.17	.408	-.26	.60
92	EPITONIIDAE					1		1	1	.03	98.83	.17	.408	-.26	.60
93	TEREBELLIDES STROEMII				1			1	1	.03	98.86	.17	.408	-.26	.60
94	CANTHARUS CANCELLARIA					1		1	1	.03	98.89	.17	.408	-.26	.60
95	AMPELISCA ABDITA			1				1	1	.03	98.93	.17	.408	-.26	.60
96	LEPTOCHELA SERRATORBITA					1		1	1	.03	98.96	.17	.408	-.26	.60
97	MUNNA SP			1				1	1	.03	98.99	.17	.408	-.26	.60
98	ERIOPISA SPB					1		1	1	.03	99.02	.17	.408	-.26	.60
99	LISTRIELLA BARNARDI		1					1	1	.03	99.05	.17	.408	-.26	.60
100	BRYOZOA					1		1	1	.03	99.08	.17	.408	-.26	.60
101	PISEINOTECUS SPA					1		1	1	.03	99.12	.17	.408	-.26	.60
102	PARANTHUS SP			1				1	1	.03	99.15	.17	.408	-.26	.60
103	TURBONILLA SP				1			1	1	.03	99.18	.17	.408	-.26	.60
104	SPIOCHAETOPTERUS COSTARUM					1		1	1	.03	99.21	.17	.408	-.26	.60
105	CALYPTOBLASTEA					1		1	1	.03	99.24	.17	.408	-.26	.60
106	PLATYHELMINTHES		1					1	1	.03	99.27	.17	.408	-.26	.60
107	PHORONIDA					1		1	1	.03	99.31	.17	.408	-.26	.60
108	POLYDORA LIGNI						1	1	1	.03	99.34	.17	.408	-.26	.60
109	MINUSPIO CIRRIFERA		1					1	1	.03	99.37	.17	.408	-.26	.60
110	POLYDORA CF CAULLERYI		1					1	1	.03	99.40	.17	.408	-.26	.60
111	ACTINIARIA SPB	1						1	1	.03	99.43	.17	.408	-.26	.60
112	NOTOMASTUS LOBATUS		1					1	1	.03	99.46	.17	.408	-.26	.60
113	HARMOTHOE IMBRICATA		1					1	1	.03	99.49	.17	.408	-.26	.60
114	MACOMA TENTA	1						1	1	.03	99.53	.17	.408	-.26	.60
115	ZOANTHARIA		1					1	1	.03	99.56	.17	.408	-.26	.60
116	NOTOMASTUS AMERICANUS	1						1	1	.03	99.59	.17	.408	-.26	.60

117	NOTOMASTUS CF LATERICEUS		1					1	1	.03	99.62	.17	.408	-.26	.60
118	NOTOMASTUS LATERICEUS		1					1	1	.03	99.65	.17	.408	-.26	.60
119	CIRROPHORUS LYRIFORMIS			1				1	1	.03	99.68	.17	.408	-.26	.60
120	MELANELLA ARCUATA			1				1	1	.03	99.72	.17	.408	-.26	.60
121	THARYX MARIONI	1						1	1	.03	99.75	.17	.408	-.26	.60
122	REPTANTIA					1		1	1	.03	99.78	.17	.408	-.26	.60
123	PARAONIS SPA	1						1	1	.03	99.81	.17	.408	-.26	.60
124	PAGURIDAE			1				1	1	.03	99.84	.17	.408	-.26	.60
125	ARMANDIA MACULATA		1					1	1	.03	99.87	.17	.408	-.26	.60
126	VITRINELLA FLORIDANA				1			1	1	.03	99.91	.17	.408	-.26	.60
127	MAJIDAE	1						1	1	.03	99.94	.17	.408	-.26	.60
128	AMPHARETE AMERICANA	1						1	1	.03	99.97	.17	.408	-.26	.60
129	GLYCERA TESSELATA	1						1	1	.03	100.00	.17	.408	-.26	.60

NO. OF SPECIES	40	75	46	49	67	38	
NO. OF INDIVIDUALS	457	708	486	495	584	437	3167

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	129	3167	4.0765	.8757	.2016

STATION 5 TRANSECT I PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAONIS SPA	9	2	6	6	8	5	36	6	16.07	16.07	6.00	2.449	3.43	8.57
2	PARAONIS GRACILIS	2		6	3	3	3	17	5	7.59	23.66	2.83	1.941	.80	4.87
3	PITAR CORDATUS	1			5	1	4	11	4	4.91	28.57	1.83	2.137	-.41	4.08
4	COSSURA DELTA	1	1	3	2		2	9	5	4.02	32.59	1.50	1.049	.40	2.60
5	PARAPRIONOSPIO PINNATA	2	2	1	2	2		9	5	4.02	36.61	1.50	.837	.62	2.38
6	SIGAMBRA TENTACULATA			4	3	1	1	9	4	4.02	40.63	1.50	1.643	-.22	3.22
7	MAGELONA LONGICORNIS	1	2			3		6	3	2.68	43.30	1.00	1.265	-.33	2.33
8	AMPHARETIDAE	2		1	1	1		5	4	2.23	45.54	.83	.753	.04	1.62
9	VOLVULELLA TEXASIANA	3		1		1		5	3	2.23	47.77	.83	1.169	-.39	2.06
10	PARAONIDES LYRA				4		1	5	2	2.23	50.00	.83	1.602	-.85	2.51
11	NEPHTYS INCISA	2	1	2				5	3	2.23	52.23	.83	.983	-.20	1.87
12	OPHIUROIDEA	1		1		2		4	3	1.79	54.02	.67	.816	-.19	1.52
13	SYNCHELIDIUM CF AMERICANUM				1	2	1	4	3	1.79	55.80	.67	.816	-.19	1.52
14	AMPHARETE AMERICANA			1	2	1		4	3	1.79	57.59	.67	.816	-.19	1.52
15	ARMANDIA MACULATA	2		1				3	2	1.34	58.93	.50	.837	-.38	1.38
16	SCOLOPOS SPA	1			1	1		3	3	1.34	60.27	.50	.548	-.07	1.07
17	AMPELISCA VERRILLI	1		1	1			3	3	1.34	61.61	.50	.548	-.07	1.07
18	THARYX MARIONI	2			1			3	2	1.34	62.95	.50	.837	-.38	1.38
19	EUDORELLA MONODON	1				2		3	2	1.34	64.29	.50	.837	-.38	1.38
20	DENTALIUM SOWERBYI				2		1	3	2	1.34	65.63	.50	.837	-.38	1.38
21	GLYCERA TESSELATA	1			1			2	2	.89	66.52	.33	.516	-.21	.88
22	SPHAERODORIDIUM CLAPAREDII			1		1		2	2	.89	67.41	.33	.516	-.21	.88
23	SPIONIDAE					1	1	2	2	.89	68.30	.33	.516	-.21	.88
24	NEMERTINEA			1	1			2	2	.89	69.20	.33	.516	-.21	.88
25	SPIOPHANES SPA			2				2	1	.89	70.09	.33	.816	-.52	1.19
26	BYBLIS CF AFFINIS					1	1	2	2	.89	70.98	.33	.516	-.21	.88
27	ASYCHIS ELONGATA						2	2	1	.89	71.88	.33	.816	-.52	1.19
28	ACTINIARIA	2						2	1	.89	72.77	.33	.816	-.52	1.19
29	AMPHILOCHUS SP			1		1		2	2	.89	73.66	.33	.516	-.21	.88
30	CUMACEAN SPF			1			1	2	2	.89	74.55	.33	.516	-.21	.88
31	THARYX ANNULOSUS	2						2	1	.89	75.45	.33	.816	-.52	1.19
32	LUMBRINERIS PARVAPEDATA				1	1		2	2	.89	76.34	.33	.516	-.21	.88
33	LUMBRINERIS TENUIS				1		1	2	2	.89	77.23	.33	.516	-.21	.88
34	HIPPOMEDON CF SERRATUS	2						2	1	.89	78.13	.33	.816	-.52	1.19
35	CIRROPHORUS BRANCHIATUS	1			1			2	2	.89	79.02	.33	.516	-.21	.88
36	OWENIA FUSIFORMIS				1	1		2	2	.89	79.91	.33	.516	-.21	.88
37	GONIADA MACULATA				1	1		2	2	.89	80.80	.33	.516	-.21	.88
38	HARBANSUS PAUCICHELATUS				1	1		2	2	.89	81.70	.33	.516	-.21	.88
39	ARICIDEA JEFFREYSII	1				1		2	2	.89	82.59	.33	.516	-.21	.88
40	PARALACYDONIA PARADOXA			2				2	1	.89	83.48	.33	.816	-.52	1.19
41	NEPHTYIDAE					2		2	1	.89	84.38	.33	.816	-.52	1.19
42	EXOGONE SPA			1				1	1	.45	84.82	.17	.408	-.26	.60
43	PYRUNCULUS CAELATUS				1			1	1	.45	85.27	.17	.408	-.26	.60
44	CALOCARIS OXYPLEURA						1	1	1	.45	85.71	.17	.408	-.26	.60
45	ANOPLODACTYLUS PETIOLATUS					1		1	1	.45	86.16	.17	.408	-.26	.60
46	CAPRELLID					1		1	1	.45	86.61	.17	.408	-.26	.60
47	GONIADA NORVEGICA	1						1	1	.45	87.05	.17	.408	-.26	.60
48	EPITONIUM NOVANGLIAE					1		1	1	.45	87.50	.17	.408	-.26	.60
49	MARPHYSA SPA	1						1	1	.45	87.95	.17	.408	-.26	.60
50	AMPELISCA SPA						1	1	1	.45	88.39	.17	.408	-.26	.60
51	PINNOTHERIDAE			1				1	1	.45	88.84	.17	.408	-.26	.60
52	AMPELISCA AGASSIZI		1					1	1	.45	89.29	.17	.408	-.26	.60
53	LUMBRINERIS JANUARII		1					1	1	.45	89.73	.17	.408	-.26	.60
54	UNCIOLA SERRATA				1			1	1	.45	90.18	.17	.408	-.26	.60

55 PARADNIDAE							1	1	1	.45	90.63	.17	.408	-.26	.60
56 POTAMILLA RENIFORMIS						1		1	1	.45	91.07	.17	.408	-.26	.60
57 MARPHYSA SPB					1			1	1	.45	91.52	.17	.408	-.26	.60
58 STERNASPIS SCUTATA				1				1	1	.45	91.96	.17	.408	-.26	.60
59 NUCULA PROXIMA							1	1	1	.45	92.41	.17	.408	-.26	.60
60 SOLEMYA SPA				1				1	1	.45	92.86	.17	.408	-.26	.60
61 TURBONILLA SP					1			1	1	.45	93.30	.17	.408	-.26	.60
62 PERIPLOMA ORBICULARE						1		1	1	.45	93.75	.17	.408	-.26	.60
63 HARPACTICOIDA				1				1	1	.45	94.20	.17	.408	-.26	.60
64 HEMICYCLOPS SP							1	1	1	.45	94.64	.17	.408	-.26	.60
65 AEDICIRA BELGICAE	1							1	1	.45	95.09	.17	.408	-.26	.60
66 MEDIOMASTUS CALIFORNIENSIS					1			1	1	.45	95.54	.17	.408	-.26	.60
67 SCOLELEPIS TEXANA						1		1	1	.45	95.98	.17	.408	-.26	.60
68 TEREBELLIDES STROEMII						1		1	1	.45	96.43	.17	.408	-.26	.60
69 PECTINIDAE					1			1	1	.45	96.88	.17	.408	-.26	.60
70 FINELLA DUBIA					1			1	1	.45	97.32	.17	.408	-.26	.60
71 NATICA SP				1				1	1	.45	97.77	.17	.408	-.26	.60
72 PARAMPHINOME PULCHELLA					1			1	1	.45	98.21	.17	.408	-.26	.60
73 POLYCHAETE SPA							1	1	1	.45	98.66	.17	.408	-.26	.60
74 THARYX FILIBRANCHIA					1			1	1	.45	99.11	.17	.408	-.26	.60
75 CORBULA SWIFTIANA				1				1	1	.45	99.55	.17	.408	-.26	.60
76 NINOE NIGRIPES					1			1	1	.45	100.00	.17	.408	-.26	.60

NO. OF SPECIES	24	7	25	32	30	19	
NO. OF INDIVIDUALS	43	10	43	52	46	30	224

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	I	76	224	5.4247	.9583	.8553

STATION 6 TRANSECT I PERIOD 77SPRING

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 SIPUNCULA	21	6	18	10	5	1	61	6	16.18	16.18	10.17	7.834	1.94	18.39
2 PARAPRIONOSPIO PINNATA	2	7	2	3			14	4	3.71	19.89	2.33	2.582	-.38	5.04
3 DENTALIUM SOWERBYI	5	2	1	3		3	14	5	3.71	23.61	2.33	1.751	.50	4.17
4 PITAR CORDATUS	3	4	4		2		13	4	3.45	27.06	2.17	1.835	.24	4.09
5 ALTERNOCHELATA SPA	4		2	6			12	3	3.18	30.24	2.00	2.530	-.66	4.66
6 SIGAMBRA TENTACULATA	3	4	1	1	2	1	12	6	3.18	33.42	2.00	1.265	.67	3.33
7 THYASIRA PYGMAEA	3	1	1	6			11	4	2.92	36.34	1.83	2.317	-.60	4.26
8 AMPHARETE PARVIDENTATA	1	3	1	6			11	4	2.92	39.26	1.83	2.317	-.60	4.26
9 ARMANDIA MACULATA	4	3	1	2			10	4	2.65	41.91	1.67	1.633	-.05	3.38
10 PARAONIS GRACILIS		4	1		4	1	10	4	2.65	44.56	1.67	1.862	-.29	3.62
11 NEMERTINEA		5		2		1	8	3	2.12	46.68	1.33	1.966	-.73	3.40
12 COSSURA DELTA	2	2	2		1	1	8	5	2.12	48.81	1.33	.816	.48	2.19
13 GLYCERA TESSELATA	2	5		1			8	3	2.12	50.93	1.33	1.966	-.73	3.40
14 THARYX MARIONI		2		1	4		7	3	1.86	52.79	1.17	1.602	-.51	2.85
15 VOLVULELLA TEXASIANA	4	1	1	1			7	4	1.86	54.64	1.17	1.472	-.38	2.71
16 SOLEMYA SPA	1	2		1	2		6	4	1.59	56.23	1.00	.894	.06	1.94
17 THARYX ANNULOSUS		2	2	2			6	3	1.59	57.82	1.00	1.095	-.15	2.15
18 STERNASPIS SCUTATA			2	3			5	2	1.33	59.15	.83	1.329	-.56	2.23
19 PARALACYDONIA PARADOXA	1	1	1		1	1	5	5	1.33	60.48	.83	.408	.40	1.26
20 ONUPHIDAE	1	2			2		5	3	1.33	61.80	.83	.983	-.20	1.87
21 BRANCHIOSTOMA CARIBAEUM		1	4				5	2	1.33	63.13	.83	1.602	-.85	2.51
22 SPIOPHANES WIGLEYI		1		3		1	5	3	1.33	64.46	.83	1.169	-.39	2.06
23 CORBULA SWIFTIANA	1			4			5	2	1.33	65.78	.83	1.602	-.85	2.51
24 SPIONIDAE	1	1		3			5	3	1.33	67.11	.83	1.169	-.39	2.06
25 AMPELISCA SPA	1			4			5	2	1.33	68.44	.83	1.602	-.85	2.51
26 BYBLIS CF AFFINIS	1		1	3			5	3	1.33	69.76	.83	1.169	-.39	2.06
27 THYASIRA SPA				2		2	4	2	1.06	70.82	.67	1.033	-.42	1.75
28 ONUPHIS SPB		2		1		1	4	3	1.06	71.88	.67	.816	-.19	1.52
29 HETEROPHOXUS CF OCULATUS	1			1		1	3	3	.80	72.68	.50	.548	-.07	1.07
30 SPIOPHANES LONGICIRRUS	1	1	1				3	3	.80	73.47	.50	.548	-.07	1.07
31 SPIOPHANES SPA	1	2					3	2	.80	74.27	.50	.837	-.38	1.38
32 UNCIOLA SERRATA				1	2		3	2	.80	75.07	.50	.837	-.38	1.38
33 HYALA SPA					3		3	1	.80	75.86	.50	1.225	-.79	1.79
34 POECILOCHAETUS JOHNSONI	2			1			3	2	.80	76.66	.50	.837	-.38	1.38
35 LUMBRINERIS PARVAPEDATA	1	1			1		3	3	.80	77.45	.50	.548	-.07	1.07
36 GONIADA MACULATA		1		2			3	2	.80	78.25	.50	.837	-.38	1.38
37 SCUTOPUS SPA	1	1	1				3	3	.80	79.05	.50	.548	-.07	1.07
38 AGLAOPHAMUS CIRCINATA	1					1	2	2	.53	79.58	.33	.516	-.21	.88
39 SPHYRAPUS SPA	1	1					2	2	.53	80.11	.33	.516	-.21	.88
40 POLYCHAETE SPA	1	1					2	2	.53	80.64	.33	.516	-.21	.88
41 MALDANIDAE				2			2	1	.53	81.17	.33	.816	-.52	1.19
42 NOTOMASTUS AMERICANUS				2			2	1	.53	81.70	.33	.816	-.52	1.19
43 TEREBELLIDES STROEMII				2			2	1	.53	82.23	.33	.816	-.52	1.19
44 CIRRATULID-B				2			2	1	.53	82.76	.33	.816	-.52	1.19
45 THARYX DORSOBRANCHIALIS	2						2	1	.53	83.29	.33	.816	-.52	1.19
46 NOTOMASTUS LATERICEUS	1	1					2	2	.53	83.82	.33	.516	-.21	.88
47 NEPHTYS INCISA		1		1			2	2	.53	84.35	.33	.516	-.21	.88
48 AUTOMATE EVERMANNI	1			1			2	2	.53	84.88	.33	.516	-.21	.88
49 LEPTONIDAE	2						2	1	.53	85.41	.33	.816	-.52	1.19
50 CIRRATULIDAE						2	2	1	.53	85.94	.33	.816	-.52	1.19
51 CAPITELLIDAE				1		1	2	2	.53	86.47	.33	.516	-.21	.88
52 POLYNOIDAE		1		1			2	2	.53	87.00	.33	.516	-.21	.88
53 LUMBRINERIS SPA		1		1			2	2	.53	87.53	.33	.516	-.21	.88
54 PHYLLODOCE MUCOSA		1		1			2	2	.53	88.06	.33	.516	-.21	.88

55	PARAONIDES LYRA		1		1			2	2	.53	88.59	.33	.516	-.21	.88
56	AMPHARETIDAE					1	1	2	2	.53	89.12	.33	.516	-.21	.88
57	NATICA SP		1		1			2	2	.53	89.66	.33	.516	-.21	.88
58	DENTALIUM TEXASIANUM		1		1			2	2	.53	90.19	.33	.516	-.21	.88
59	POLYDORA CF HARTMANAE				1			1	1	.27	90.45	.17	.408	-.26	.60
60	ONUPHIS SPA				1			1	1	.27	90.72	.17	.408	-.26	.60
61	NEREID SPB		1					1	1	.27	90.98	.17	.408	-.26	.60
62	CALLIANASSA ATLANTICA		1					1	1	.27	91.25	.17	.408	-.26	.60
63	SARSIELLA SPK		1					1	1	.27	91.51	.17	.408	-.26	.60
64	MINUSPIO LONGIBRANCHIATA				1			1	1	.27	91.78	.17	.408	-.26	.60
65	AMPHARETE ACUTIFRONS		1					1	1	.27	92.04	.17	.408	-.26	.60
66	CALIFIA CF CALIDA				1			1	1	.27	92.31	.17	.408	-.26	.60
67	LUMBRINERIS TENUIS				1			1	1	.27	92.57	.17	.408	-.26	.60
68	PARDALISCID SPA				1			1	1	.27	92.84	.17	.408	-.26	.60
69	MAGELONA PHYLLISAE	1						1	1	.27	93.10	.17	.408	-.26	.60
70	ANTHURID SPH	1						1	1	.27	93.37	.17	.408	-.26	.60
71	PARASTEROPE LATA				1			1	1	.27	93.63	.17	.408	-.26	.60
72	NEPHTYIDAE	1						1	1	.27	93.90	.17	.408	-.26	.60
73	SARSIELLA SPL	1						1	1	.27	94.16	.17	.408	-.26	.60
74	ERIOPISA INCISA				1			1	1	.27	94.43	.17	.408	-.26	.60
75	AMPELISCA AGASSIZI						1	1	1	.27	94.69	.17	.408	-.26	.60
76	PECTINARIA SP						1	1	1	.27	94.96	.17	.408	-.26	.60
77	SIGAMBRA BASSI			1				1	1	.27	95.23	.17	.408	-.26	.60
78	LISTRIELLA SPA		1					1	1	.27	95.49	.17	.408	-.26	.60
79	CALLIANASSA LATISPINA		1					1	1	.27	95.76	.17	.408	-.26	.60
80	REPTANTIA		1					1	1	.27	96.02	.17	.408	-.26	.60
81	TANAID SPL				1			1	1	.27	96.29	.17	.408	-.26	.60
82	ACTINIARIA			1				1	1	.27	96.55	.17	.408	-.26	.60
83	MEDIOMASTUS CALIFORNIENSIS				1			1	1	.27	96.82	.17	.408	-.26	.60
84	SABELLIDAE		1					1	1	.27	97.08	.17	.408	-.26	.60
85	PIROMIS ARENOSUS			1				1	1	.27	97.35	.17	.408	-.26	.60
86	PHILINE SAGRA				1			1	1	.27	97.61	.17	.408	-.26	.60
87	OPHELIIDAE					1		1	1	.27	97.88	.17	.408	-.26	.60
88	ARICIDEA NEOSUECICA		1					1	1	.27	98.14	.17	.408	-.26	.60
89	CALOCARIS OXYPLEURA		1					1	1	.27	98.41	.17	.408	-.26	.60
90	SARSIELLA CF GREYI				1			1	1	.27	98.67	.17	.408	-.26	.60
91	OSTRACOD SPY	1						1	1	.27	98.94	.17	.408	-.26	.60
92	ANACHIS CALLIGLYPTA				1			1	1	.27	99.20	.17	.408	-.26	.60
93	SYLLIS SPB						1	1	1	.27	99.47	.17	.408	-.26	.60
94	ALPHEUS FLORIDANUS				1			1	1	.27	99.73	.17	.408	-.26	.60
95	ONUPHIS SPD		1					1	1	.27	100.00	.17	.408	-.26	.60

NO. OF SPECIES	37	48	22	53	14	18	
NO. OF INDIVIDUALS	82	88	50	104	31	22	377

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	I	95	377	5.6695	.9615	.8105

STATION 1 TRANSECT II PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA	25	53	35	14	42	24	193	6	36.69	36.69	32.17	14.049	17.42	46.91
2	MEDIOMASTUS CALIFORNIENSIS	13	14	21	7	11	11	77	6	14.64	51.33	12.83	4.665	7.94	17.73
3	AMPELISCA AGASSIZI	12	2	6	15	10		45	5	8.56	59.89	7.50	5.857	1.35	13.65
4	NEMERTINEA		23	1	3	11		38	4	7.22	67.11	6.33	9.158	-3.28	15.95
5	AMPELISCA VERRILLI	7	5	1	2	2		17	5	3.23	70.34	2.83	2.639	.06	5.60
6	MINUSPIO LONGIBRANCHIATA		11	2		1		14	3	2.66	73.00	2.33	4.320	-2.20	6.87
7	NEREID(NICON) SPA	5	1	3	1	1	2	13	6	2.47	75.48	2.17	1.602	.49	3.85
8	VITRINELLA FLORIDANA		4	3	3	3		13	4	2.47	77.95	2.17	1.722	.36	3.97
9	AMPELISCA ABDITA	1	3	1	1	6		12	5	2.28	80.23	2.00	2.191	-.30	4.30
10	ARICIDEA JEFFREYSII			7	3			10	2	1.90	82.13	1.67	2.875	-1.35	4.68
11	COSSURA DELTA	3	2	1		2	1	9	5	1.71	83.84	1.50	1.049	.40	2.60
12	NEPHTYS INCISA	2	2		3	2		9	4	1.71	85.55	1.50	1.225	.21	2.79
13	SIGAMBRA TENTACULATA	1		3	1	3		8	4	1.52	87.07	1.33	1.366	-.10	2.77
14	PARAONIS GRACILIS	1	1	3			2	7	4	1.33	88.40	1.17	1.169	-.06	2.39
15	MAGELONA ROSEA				1	2	3	6	3	1.14	89.54	1.00	1.265	-.33	2.33
16	SPIONIDAE	1	2			2		5	3	.95	90.49	.83	.983	-.20	1.87
17	VOLVULELLA TEXASIANA		2		1	2		5	3	.95	91.44	.83	.983	-.20	1.87
18	NINOE NIGRIPES	1	2		1			4	3	.76	92.21	.67	.816	-.19	1.52
19	MAGELONA PHYLLISAE	1		1		1	1	4	4	.76	92.97	.67	.516	.12	1.21
20	NOTOMASTUS CF LATERICEUS		2		2			4	2	.76	93.73	.67	1.033	-.42	1.75
21	PARAMPHINOME PULCHELLA		3				1	4	2	.76	94.49	.67	1.211	-.60	1.94
22	PHOTIS MACROMANUS	1				2		3	2	.57	95.06	.50	.837	-.38	1.38
23	NATICA SP			1	1			2	2	.38	95.44	.33	.516	-.21	.88
24	ARMANDIA MACULATA				1	1		2	2	.38	95.82	.33	.516	-.21	.88
25	MINUSPIO CIRRIFERA		1				1	2	2	.38	96.20	.33	.516	-.21	.88
26	PSEUDEURYTHOE AMBIGUA		1	1				2	2	.38	96.58	.33	.516	-.21	.88
27	ALPHEUS SP		1			1		2	2	.38	96.96	.33	.516	-.21	.88
28	AEDICIRA BELGICAE			1				1	1	.19	97.15	.17	.408	-.26	.60
29	PARAONIDAE			1				1	1	.19	97.34	.17	.408	-.26	.60
30	LISTRIELLA BARNARDI				1			1	1	.19	97.53	.17	.408	-.26	.60
31	NOTOMASTUS LATERICEUS				1			1	1	.19	97.72	.17	.408	-.26	.60
32	DRILONEREIS FILUM						1	1	1	.19	97.91	.17	.408	-.26	.60
33	OPHIUROIDEA			1				1	1	.19	98.10	.17	.408	-.26	.60
34	ERIOPISA SPB				1			1	1	.19	98.29	.17	.408	-.26	.60
35	SIHENELAIS BOA		1					1	1	.19	98.48	.17	.408	-.26	.60
36	TRACHYPENAEUS SP	1						1	1	.19	98.67	.17	.408	-.26	.60
37	CLYTIA LONGICYATHA	1						1	1	.19	98.86	.17	.408	-.26	.60
38	CARIDEA					1		1	1	.19	99.05	.17	.408	-.26	.60
39	LUMBRINERIS TENUIS		1					1	1	.19	99.24	.17	.408	-.26	.60
40	APSEUDES SPA			1				1	1	.19	99.43	.17	.408	-.26	.60
41	MICROSPIO PIGMENTATA					1		1	1	.19	99.62	.17	.408	-.26	.60
42	SIGAMBRA BASSI				1			1	1	.19	99.81	.17	.408	-.26	.60
43	MAGELONA LONGICORNIS	1						1	1	.19	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	17	22	20	21	21	10								
	NO. OF INDIVIDUALS	77	137	94	64	107	47	526							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	II	43	526	3.5774	.8274	.4186

STATION 2 TRANSECT II PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAONIS SPA	8	13	6	6	4	10	47	6	12.11	12.11	7.83	3.251	4.42	11.25
2	PARAPRIONOSPIO PINNATA	6	12	4	6	6	7	41	6	10.57	22.68	6.83	2.714	3.98	9.68
3	PARAONIS GRACILIS	3	8	9	4	1	5	30	6	7.73	30.41	5.00	3.033	1.82	8.18
4	SPIONIDAE	3		7	4	5	4	23	5	5.93	36.34	3.83	2.317	1.40	6.26
5	NEMERTINEA	1	5	2	4	1	5	18	6	4.64	40.98	3.00	1.897	1.01	4.99
6	NEPHTYS INCISA	1	1	2	3	5	4	16	6	4.12	45.10	2.67	1.633	.95	4.38
7	ABRA AEQUALIS	2		12				14	2	3.61	48.71	2.33	4.803	-2.71	7.37
8	LUMBRINERIS PARVAPEDATA		3	2	4	3	1	13	5	3.35	52.06	2.17	1.472	.62	3.71
9	VOLVULELLA TEXASIANA	1	4	1	2		3	11	5	2.84	54.90	1.83	1.472	.29	3.38
10	MAGELONA LONGICORNIS		2	3	3		3	11	4	2.84	57.73	1.83	1.472	.29	3.38
11	COSSURA DELTA	1	3	4	1		1	10	5	2.58	60.31	1.67	1.506	.09	3.25
12	EUDORELLA MONODON		1	2	1	5	1	10	5	2.58	62.89	1.67	1.751	-.17	3.50
13	CIRROPHORUS LYRIFORMIS	2	2			1	5	10	4	2.58	65.46	1.67	1.862	-.29	3.62
14	MEDIOMASTUS CALIFORNIENSIS	1	2	2		1	2	8	5	2.06	67.53	1.33	.816	.48	2.19
15	AMPELISCA ABDITA	1	2		1	2	1	7	5	1.80	69.33	1.17	.753	.38	1.96
16	KALLIAPSEUDES SPA	1	2	2		2		7	4	1.80	71.13	1.17	.983	.13	2.20
17	THARYX ANNULOSUS		5					5	1	1.29	72.42	.83	2.041	-1.31	2.98
18	AEDICIRA BELGICAE			3		2		5	2	1.29	73.71	.83	1.329	-.56	2.23
19	SIGAMBRA TENTACULATA	1		3				4	2	1.03	74.74	.67	1.211	-.60	1.94
20	AMAEANA TRILOBATA		1	2		1		4	3	1.03	75.77	.67	.816	-.19	1.52
21	MAGELONA ROSEA		1	1	2			4	3	1.03	76.80	.67	.816	-.19	1.52
22	APSEUDES SPA	1			1	1	1	4	4	1.03	77.84	.67	.516	.12	1.21
23	LYSIANASSID SPA				3			3	1	.77	78.61	.50	1.225	-.79	1.79
24	PINNOTHERIDAE	1				2		3	2	.77	79.38	.50	.837	-.38	1.38
25	AMPELISCA AGASSIZI					2	1	3	2	.77	80.15	.50	.837	-.38	1.38
26	PARAONIDAE		1	1	1			3	3	.77	80.93	.50	.548	-.07	1.07
27	ARICIDEA WASSI		2			1		3	2	.77	81.70	.50	.837	-.38	1.38
28	AMPELISCA VERRILLI	1				2		3	2	.77	82.47	.50	.837	-.38	1.38
29	ONUPHIS SPA			3				3	1	.77	83.25	.50	1.225	-.79	1.79
30	PARAONIDES LYRA	1			1	1		3	3	.77	84.02	.50	.548	-.07	1.07
31	NOTOMASTUS LATERICEUS				1	1	1	3	3	.77	84.79	.50	.548	-.07	1.07
32	AUTOMATE EVERMANNI	1				1		2	2	.52	85.31	.33	.516	-.21	.88
33	THARYX MARIONI			1		1		2	2	.52	85.82	.33	.516	-.21	.88
34	ARICIDEA JEFFREYSII			1		1		2	2	.52	86.34	.33	.516	-.21	.88
35	HETEROSPIO LONGISSIMA		1		1			2	2	.52	86.86	.33	.516	-.21	.88
36	OPHIUROIDEA			2				2	1	.52	87.37	.33	.816	-.52	1.19
37	THYASIRA SPA			2				2	1	.52	87.89	.33	.816	-.52	1.19
38	NINOE NIGRIPES				2			2	1	.52	88.40	.33	.816	-.52	1.19
39	DRILONEREIS MAGNA				1		1	2	2	.52	88.92	.33	.516	-.21	.88
40	NEREID SPB		1		1			2	2	.52	89.43	.33	.516	-.21	.88
41	CORBULA SWIFTIANA				1	1		2	2	.52	89.95	.33	.516	-.21	.88
42	HYALA SPA		1					1	1	.26	90.21	.17	.408	-.26	.60
43	SYLLIS CF ANOPS		1					1	1	.26	90.46	.17	.408	-.26	.60
44	SPIOPHANES LONGICIRRUS	1						1	1	.26	90.72	.17	.408	-.26	.60
45	CIRRATULIDAE						1	1	1	.26	90.98	.17	.408	-.26	.60
46	ANACHIS CALLIGLYPTA				1			1	1	.26	91.24	.17	.408	-.26	.60
47	LEPTOSTYLIS SP				1			1	1	.26	91.49	.17	.408	-.26	.60
48	ONUPHIDAE		1					1	1	.26	91.75	.17	.408	-.26	.60
49	NOTOMASTUS HEMIPODUS					1		1	1	.26	92.01	.17	.408	-.26	.60
50	OBELIA SPA	1						1	1	.26	92.27	.17	.408	-.26	.60
51	ARMANDIA MACULATA		1					1	1	.26	92.53	.17	.408	-.26	.60
52	REPTANTIA						1	1	1	.26	92.78	.17	.408	-.26	.60
53	AMPHICTEIS GUNNERI		1					1	1	.26	93.04	.17	.408	-.26	.60
54	LUMBRINERIS TENUIS						1	1	1	.26	93.30	.17	.408	-.26	.60

55	LAONICE CIRRATA			1				1	1	.26	93.56	.17	.408	-.26	.60
56	SCHISTOMERINGOS RUDOLPHI	1						1	1	.26	93.81	.17	.408	-.26	.60
57	CIRRATULID-B					1		1	1	.26	94.07	.17	.408	-.26	.60
58	ONUPHIS SPD					1		1	1	.26	94.33	.17	.408	-.26	.60
59	EXOGONE VERUGERA					1		1	1	.26	94.59	.17	.408	-.26	.60
60	OPHIOGLYCERA DISTORTA				1			1	1	.26	94.85	.17	.408	-.26	.60
61	PISTA CRISTATA					1		1	1	.26	95.10	.17	.408	-.26	.60
62	ALPHEUS FLORIDANUS						1	1	1	.26	95.36	.17	.408	-.26	.60
63	POLYNOIDAE				1			1	1	.26	95.62	.17	.408	-.26	.60
64	SQUILLA CHYDAEA				1			1	1	.26	95.88	.17	.408	-.26	.60
65	TELLINIDAE				1			1	1	.26	96.13	.17	.408	-.26	.60
66	LEPTOCHEIRUS SP				1			1	1	.26	96.39	.17	.408	-.26	.60
67	BRANCHIOSTOMA CARIBAEUM			1				1	1	.26	96.65	.17	.408	-.26	.60
68	GLYCERA TESSELATA		1					1	1	.26	96.91	.17	.408	-.26	.60
69	HIPPOMEDON CF SERRATUS				1			1	1	.26	97.16	.17	.408	-.26	.60
70	STENOTHOE SP						1	1	1	.26	97.42	.17	.408	-.26	.60
71	SIPUNCULA		1					1	1	.26	97.68	.17	.408	-.26	.60
72	MINUSPIO LONGIBRANCHIATA					1		1	1	.26	97.94	.17	.408	-.26	.60
73	POLYCHAETE SPA	1						1	1	.26	98.20	.17	.408	-.26	.60
74	ACTINIARIA SPA	1						1	1	.26	98.45	.17	.408	-.26	.60
75	SYLLIDAE						1	1	1	.26	98.71	.17	.408	-.26	.60
76	VENERIDAE				1			1	1	.26	98.97	.17	.408	-.26	.60
77	LEIOLAMBRUS NITIDUS			1				1	1	.26	99.23	.17	.408	-.26	.60
78	SPIOPHANES SP						1	1	1	.26	99.48	.17	.408	-.26	.60
79	NATICA SP		1					1	1	.26	99.74	.17	.408	-.26	.60
80	CIRROPHORUS BRANCHIATUS			1				1	1	.26	100.00	.17	.408	-.26	.60

NO. OF SPECIES	24	29	28	32	31	25	
NO. OF INDIVIDUALS	42	80	81	63	59	63	388

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	II	80	388	5.1819	.9544	.6875

STATION 3 TRANSECT II PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	THYASIRA PYGMAEA		7		14		1	22	3	10.14	10.14	3.67	5.750	-2.37	9.70
2	PARAONIS GRACILIS	1	2	3	2		2	10	5	4.61	14.75	1.67	1.033	.58	2.75
3	PARAPRIONOSPIO PINNATA		2		1		6	9	3	4.15	18.89	1.50	2.345	-.96	3.96
4	SIGAMBRA TENTACULATA	2	4		2		1	9	4	4.15	23.04	1.50	1.517	-.09	3.09
5	NEMERTINEA	1	1		2	4		8	4	3.69	26.73	1.33	1.506	-.25	2.91
6	XENANTHURA BREVITELSON		3	1	3	1		8	4	3.69	30.41	1.33	1.366	-.10	2.77
7	SYLLIS SPC	1	3	1			2	7	4	3.23	33.64	1.17	1.169	-.06	2.39
8	PARAONIS SPA	2	4					6	2	2.76	36.41	1.00	1.673	-.76	2.76
9	SIPUNCULA		2	2	1	1		6	4	2.76	39.17	1.00	.894	.06	1.94
10	PARALACYDONIA PARADOXA		1	1	1	1	1	5	5	2.30	41.47	.83	.408	.40	1.26
11	MINUSPIO LONGIBRANCHIATA		5					5	1	2.30	43.78	.83	2.041	-1.31	2.98
12	NUCULANA ACUTA		3			2		5	2	2.30	46.08	.83	1.329	-.56	2.23
13	HARBANSUS PAUCICHELATUS	1	2		1	1		5	4	2.30	48.39	.83	.753	.04	1.62
14	ONUPHIDAE		1		3	1		5	3	2.30	50.69	.83	1.169	-.39	2.06
15	SPIOPHANES LONGICIRRUS		1		2		1	4	3	1.84	52.53	.67	.816	-.19	1.52
16	DENTALIUM SOWERBYI	1	2	1				4	3	1.84	54.38	.67	.816	-.19	1.52
17	THARYX MARIONI				1	1	1	3	3	1.38	55.76	.50	.548	-.07	1.07
18	FALCIDENS SPA	2	1					3	2	1.38	57.14	.50	.837	-.38	1.38
19	HYBLIS CF AFFINIS	3						3	1	1.38	58.53	.50	1.225	-.79	1.79
20	ARMANDIA MACULATA		1		2			3	2	1.38	59.91	.50	.837	-.38	1.38
21	SPIONIDAE		2				1	3	2	1.38	61.29	.50	.837	-.38	1.38
22	SARSIELLA CF GREYI	2				1		3	2	1.38	62.67	.50	.837	-.38	1.38
23	SARSIELLA SPJ	1			2			3	2	1.38	64.06	.50	.837	-.38	1.38
24	COSSURA DELTA		1	1			1	3	3	1.38	65.44	.50	.548	-.07	1.07
25	OPHIUROIDEA	1				2		3	2	1.38	66.82	.50	.837	-.38	1.38
26	CYCLOCARDIA ARMILLA	1					1	2	2	.92	67.74	.33	.516	-.21	.88
27	CIRROPHORUS LYRIFORMIS				2			2	1	.92	68.66	.33	.816	-.52	1.19
28	PROCHAETODERMA SPA				2			2	1	.92	69.59	.33	.816	-.52	1.19
29	GLYCERA TESSELATA		1		1			2	2	.92	70.51	.33	.516	-.21	.88
30	HETEROPHOXUS CF OCULATUS	1		1				2	2	.92	71.43	.33	.516	-.21	.88
31	NEPHTYS INCISA	1	1					2	2	.92	72.35	.33	.516	-.21	.88
32	PARDALISCID SPA	1				1		2	2	.92	73.27	.33	.516	-.21	.88
33	PHILOMEDES SPA		1	1				2	2	.92	74.19	.33	.516	-.21	.88
34	AMPHARETIDAE	1	1					2	2	.92	75.12	.33	.516	-.21	.88
35	ACTINIARIA SPA	1	1					2	2	.92	76.04	.33	.516	-.21	.88
36	PINNOTHERIDAE			2				2	1	.92	76.96	.33	.816	-.52	1.19
37	NINOE NIGRIPES	2						2	1	.92	77.88	.33	.816	-.52	1.19
38	WEBSTERINEREIS TRIDENTATA				2			2	1	.92	78.80	.33	.816	-.52	1.19
39	MALDANIDAE				2			2	1	.92	79.72	.33	.816	-.52	1.19
40	POLYDORA CF SOCIALIS	1						1	1	.46	80.18	.17	.408	-.26	.60
41	AUTOMATE EVERMANNI		1					1	1	.46	80.65	.17	.408	-.26	.60
42	GLYCINDE SOLITARIA		1					1	1	.46	81.11	.17	.408	-.26	.60
43	HIPPOMEDON CF SERRATUS	1						1	1	.46	81.57	.17	.408	-.26	.60
44	CUMACEAN SPE				1			1	1	.46	82.03	.17	.408	-.26	.60
45	ECHINODERMATA						1	1	1	.46	82.49	.17	.408	-.26	.60
46	AMPELISCA VERRILLI	1						1	1	.46	82.95	.17	.408	-.26	.60
47	SABELLIDAE	1						1	1	.46	83.41	.17	.408	-.26	.60
48	SCUTOPUS SPA						1	1	1	.46	83.87	.17	.408	-.26	.60
49	ONUPHIS SPD		1					1	1	.46	84.33	.17	.408	-.26	.60
50	TEREBELLIDES STROEMII		1					1	1	.46	84.79	.17	.408	-.26	.60
51	POECILOCHAETUS JOHNSONI						1	1	1	.46	85.25	.17	.408	-.26	.60
52	MUNNA SP				1			1	1	.46	85.71	.17	.408	-.26	.60
53	CAPITELLIDAE						1	1	1	.46	86.18	.17	.408	-.26	.60
54	SIHENELAIS BOA		1					1	1	.46	86.64	.17	.408	-.26	.60

55	POLYCHAETE SPA		1						1	1	.46	87.10	.17	.408	-.26	.60
56	SARSIELLA SPA		1						1	1	.46	87.56	.17	.408	-.26	.60
57	ERIOPISA INCISA					1			1	1	.46	88.02	.17	.408	-.26	.60
58	CIRRATULIDAE			1					1	1	.46	88.48	.17	.408	-.26	.60
59	TURBONILLA SP				1				1	1	.46	88.94	.17	.408	-.26	.60
60	PHYLLODOCE MUCOSA				1				1	1	.46	89.40	.17	.408	-.26	.60
61	AMPELISCA SPA					1			1	1	.46	89.86	.17	.408	-.26	.60
62	LUMBRINERIS PARVAPEDATA					1			1	1	.46	90.32	.17	.408	-.26	.60
63	CALIFIA CF CALIDA				1				1	1	.46	90.78	.17	.408	-.26	.60
64	CAPITELLID SP8					1			1	1	.46	91.24	.17	.408	-.26	.60
65	MEGALOMMA CF QUADRIOCULATUM		1						1	1	.46	91.71	.17	.408	-.26	.60
66	BRANIA FURCELLIGERA	1							1	1	.46	92.17	.17	.408	-.26	.60
67	PORCELLANA SIGSBEIANA				1				1	1	.46	92.63	.17	.408	-.26	.60
68	ONUPHIS SPA				1				1	1	.46	93.09	.17	.408	-.26	.60
69	PECTINARIA GOULDII		1						1	1	.46	93.55	.17	.408	-.26	.60
70	OSTRACOD SPAA				1				1	1	.46	94.01	.17	.408	-.26	.60
71	GLYCERA SP							1	1	1	.46	94.47	.17	.408	-.26	.60
72	LEPTOCHELIA SP		1						1	1	.46	94.93	.17	.408	-.26	.60
73	GONIADA MACULATA				1				1	1	.46	95.39	.17	.408	-.26	.60
74	LEPTONIDAE			1					1	1	.46	95.85	.17	.408	-.26	.60
75	LEPIOSTYLIS SP			1					1	1	.46	96.31	.17	.408	-.26	.60
76	ALTERNOCHELATA SPA				1				1	1	.46	96.77	.17	.408	-.26	.60
77	LUMBRINERIS ALBIDENTATA				1				1	1	.46	97.24	.17	.408	-.26	.60
78	PITAR CORDATUS							1	1	1	.46	97.70	.17	.408	-.26	.60
79	LUMBRINERIS TENUIS	1							1	1	.46	98.16	.17	.408	-.26	.60
80	ANCISTROSYLLIS GROENLANDICA		1						1	1	.46	98.62	.17	.408	-.26	.60
81	SERPULIDAE				1				1	1	.46	99.08	.17	.408	-.26	.60
82	HAMINOEA SUCCINEA		1						1	1	.46	99.54	.17	.408	-.26	.60
83	SPIOPHANES SPA			1					1	1	.46	100.00	.17	.408	-.26	.60

NO. OF SPECIES	25	37	14	31	15	17	
NO. OF INDIVIDUALS	32	65	18	58	20	24	217

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	II	83	217	5.7808	.9762	1.0000

STATION 4 TRANSECT II PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA	33	28	25	12	12	17	127	6	27.25	27.25	21.17	8.796	11.93	30.40
2	NEPHTYS INCISA	10	6	5	8	11	9	49	6	10.52	37.77	8.17	2.317	5.74	10.60
3	APSEUDES SPA	1		14	11	2		28	4	6.01	43.78	4.67	6.186	-1.83	11.16
4	PARAONIS GRACILIS	7	5	2	5	5	3	27	6	5.79	49.57	4.50	1.761	2.65	6.35
5	AMPELISCA VERRILLI	1	4	7	4	6	3	25	6	5.36	54.94	4.17	2.137	1.92	6.41
6	MEDIOMASTUS CALIFORNIENSIS	3	3	4	5	2	3	20	6	4.29	59.23	3.33	1.033	2.25	4.42
7	LUMBRINERIS PARVAPEDATA	6	2		5	4	3	20	5	4.29	63.52	3.33	2.160	1.07	5.60
8	AMPELISCA ABDITA	4		5	4	2	2	17	5	3.65	67.17	2.83	1.835	.91	4.76
9	EUDORELLA MONODON	4	6	1	1	3	2	17	6	3.65	70.82	2.83	1.941	.80	4.87
10	SIGAMBRA TENTACULATA	4	3	1	1	2	1	12	6	2.58	73.39	2.00	1.265	.67	3.33
11	NEMERTINEA	2	3		2	2	3	12	5	2.58	75.97	2.00	1.095	.85	3.15
12	COSSURA DELTA	1	2	1	3	5		12	5	2.58	78.54	2.00	1.789	.12	3.88
13	AMPELISCA AGASSIZI	1	7	1		1		10	4	2.15	80.69	1.67	2.658	-1.12	4.46
14	NOTOMASTUS CF LATERICEUS		1	3	5		1	10	4	2.15	82.83	1.67	1.966	-.40	3.73
15	THARYX ANNULOSUS	6	1			3		10	3	2.15	84.98	1.67	2.422	-.88	4.21
16	MAGELONA LONGICORNIS	2	1	1		1	4	9	5	1.93	86.91	1.50	1.378	.05	2.95
17	SPIONIDAE	3	2		1	1		7	4	1.50	88.41	1.17	1.169	-.06	2.39
18	MINUSPIO LONGIBRANCHIATA		1	5				6	2	1.29	89.70	1.00	2.000	-1.10	3.10
19	VITRINELLA FLORIDANA			2	3			5	2	1.07	90.77	.83	1.329	-.56	2.23
20	CORBULA SWIFTIANA			3			1	4	2	.86	91.63	.67	1.211	-.60	1.94
21	VOLVULELLA TEXASIANA		2				2	4	2	.86	92.49	.67	1.033	-.42	1.75
22	NINOE NIGRIPES			1	1		2	4	3	.86	93.35	.67	.816	-.19	1.52
23	PINNOTHERIDAE	1				1	1	3	3	.64	93.99	.50	.548	-.07	1.07
24	THARYX MARIONI			3				3	1	.64	94.64	.50	1.225	-.79	1.79
25	ARMANDIA MACULATA				1		2	3	2	.64	95.28	.50	.837	-.38	1.38
26	NEREID SPB		1			2		3	2	.64	95.92	.50	.837	-.38	1.38
27	AEDICIRA BELGICAE		2	1				3	2	.64	96.57	.50	.837	-.38	1.38
28	NOTOMASTUS LATERICEUS	1	1					2	2	.43	97.00	.33	.516	-.21	.88
29	PARAONIS SPA	1				1		2	2	.43	97.42	.33	.516	-.21	.88
30	NEPHTYIDAE			2				2	1	.43	97.85	.33	.816	-.52	1.19
31	ARICIDEA JEFFREYSII	1			1			2	2	.43	98.28	.33	.516	-.21	.88
32	ASYCHIS ELONGATA			1				1	1	.21	98.50	.17	.408	-.26	.60
33	DIOPATRA TRIDENTATA				1			1	1	.21	98.71	.17	.408	-.26	.60
34	DIOPATRA CUPREA			1				1	1	.21	98.93	.17	.408	-.26	.60
35	TEREBELLIDES STROEMII	1						1	1	.21	99.14	.17	.408	-.26	.60
36	MINUSPIO CIRRIFERA			1				1	1	.21	99.36	.17	.408	-.26	.60
37	MALACOCEROS VANDERHORSTI						1	1	1	.21	99.57	.17	.408	-.26	.60
38	ONUPHIDAE				1			1	1	.21	99.79	.17	.408	-.26	.60
39	DRILONEREIS MAGNA		1					1	1	.21	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	21	21	23	20	19	18								
	NO. OF INDIVIDUALS	93	82	90	75	66	60	466							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	II	39	466	4.1212	.8956	.6667

STATION 5 TRANSECT II PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAONIS SPA		1	3		7	1	12	4	11.76	11.76	2.00	2.683	-.82	4.82
2	COSSURA DELTA	1	1	3	1	4	1	11	6	10.78	22.55	1.83	1.329	.44	3.23
3	PARAPRIONOSPIO PINNATA		3	3	1	3	1	11	5	10.78	33.33	1.83	1.329	.44	3.23
4	VOLVULELLA TEXASIANA	1	1	2	2		2	8	5	7.84	41.18	1.33	.816	.48	2.19
5	PARAONIDES LYRA			4	1			5	2	4.90	46.08	.83	1.602	-.85	2.51
6	MAGELONA LONGICORNIS		1	2		1	1	5	4	4.90	50.98	.83	.753	.04	1.62
7	NEPHTYS INCISA		1	1		2		4	3	3.92	54.90	.67	.816	-.19	1.52
8	SIGAMBRA TENTACULATA					1	3	4	2	3.92	58.82	.67	1.211	-.60	1.94
9	PHILINE SAGRA						3	3	1	2.94	61.76	.50	1.225	-.79	1.79
10	GNATHIA SP					2		2	1	1.96	63.73	.33	.816	-.52	1.19
11	NEREID SPB						2	2	1	1.96	65.69	.33	.816	-.52	1.19
12	NOTOMASTUS CF LATERICEUS			1	1			2	2	1.96	67.65	.33	.516	-.21	.88
13	PITAR CORDATUS		1		1			2	2	1.96	69.61	.33	.516	-.21	.88
14	PHYLO FELIX				1	1		2	2	1.96	71.57	.33	.516	-.21	.88
15	AMPELISCA SPA		1			1		2	2	1.96	73.53	.33	.516	-.21	.88
16	MEDIOMASTUS CALIFORNIENSIS					1	1	2	2	1.96	75.49	.33	.516	-.21	.88
17	SCOLOPOS SPA		1					1	1	.98	76.47	.17	.408	-.26	.60
18	AMPHARETIDAE						1	1	1	.98	77.45	.17	.408	-.26	.60
19	POLYDORA CF HARTMANAE				1			1	1	.98	78.43	.17	.408	-.26	.60
20	CORBULA SWIFTIANA			1				1	1	.98	79.41	.17	.408	-.26	.60
21	ECHINODERMATA			1				1	1	.98	80.39	.17	.408	-.26	.60
22	SAMYTHELLA ELIASONI			1				1	1	.98	81.37	.17	.408	-.26	.60
23	NEPHTYIDAE		1					1	1	.98	82.35	.17	.408	-.26	.60
24	EXOGONE SP			1				1	1	.98	83.33	.17	.408	-.26	.60
25	LUMBRINERIS TENUIS						1	1	1	.98	84.31	.17	.408	-.26	.60
26	PECTINARIA GOULDII						1	1	1	.98	85.29	.17	.408	-.26	.60
27	AMPELISCA VERRILLI						1	1	1	.98	86.27	.17	.408	-.26	.60
28	LEPTOSTYLIS SP		1					1	1	.98	87.25	.17	.408	-.26	.60
29	ANACHIS CALLIGLYPTA					1		1	1	.98	88.24	.17	.408	-.26	.60
30	PARAONIS GRACILIS	1						1	1	.98	89.22	.17	.408	-.26	.60
31	NEREID(NICON) SPA		1					1	1	.98	90.20	.17	.408	-.26	.60
32	MONOCULODES SPB		1					1	1	.98	91.18	.17	.408	-.26	.60
33	LEIOCAPITELLA GLABRA	1						1	1	.98	92.16	.17	.408	-.26	.60
34	STERNASPIS SCUTATA			1				1	1	.98	93.14	.17	.408	-.26	.60
35	HIPPOMEDON CF SERRATUS					1		1	1	.98	94.12	.17	.408	-.26	.60
36	GLYCERA TESSELATA			1				1	1	.98	95.10	.17	.408	-.26	.60
37	ALPHEUS SP					1		1	1	.98	96.08	.17	.408	-.26	.60
38	POECILOCHAETUS JOHNSONI						1	1	1	.98	97.06	.17	.408	-.26	.60
39	CRASSINELLA MARTINICENSIS					1		1	1	.98	98.04	.17	.408	-.26	.60
40	AGLAOPHAMUS CIRCINATA					1		1	1	.98	99.02	.17	.408	-.26	.60
41	NUCULA PROXIMA					1		1	1	.98	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	4	13	14	8	16	14								
	NO. OF INDIVIDUALS	4	15	25	9	29	20	102							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	II	41	102	4.7086	.9522	.9756

STATION 6 TRANSECT II PERIOD 77SPRING

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 SIPUNCULA	1	5	3	1	15	3	28	6	6.62	6.62	4.67	5.279	-.87	10.21
2 PITAR CORDATUS		6	3	6	3	7	25	5	5.91	12.53	4.17	2.639	1.40	6.94
3 CORBULA SWIFTIANA				2	8	8	18	3	4.26	16.78	3.00	3.950	-1.15	7.15
4 HETEROPHOXUS CF OCULATUS	2			1	12	2	17	4	4.02	20.80	2.83	4.579	-1.97	7.64
5 THYASIRA PYGMAEA	5	2	4	2	3		16	5	3.78	24.59	2.67	1.751	.83	4.50
6 SPIONIDAE		6	1		8	1	16	4	3.78	28.37	2.67	3.445	-.95	6.28
7 AMPHARETE AMERICANA		3			4	8	15	3	3.55	31.91	2.50	3.209	-.87	5.87
8 NEREIS SPA		3		2	6	2	13	4	3.07	34.99	2.17	2.229	-.17	4.51
9 ALTERNOCHELATA SPA	4	2	1	1	4		12	5	2.84	37.83	2.00	1.673	.24	3.76
10 PARAONIS GRACILIS	2	4	1	1	2	2	12	6	2.84	40.66	2.00	1.095	.85	3.15
11 PHOXOCEPHALID SPA		1		6	3	2	12	4	2.84	43.50	2.00	2.280	-.39	4.39
12 PARAONIDES LYRA		1		3	3	3	10	4	2.36	45.86	1.67	1.506	.09	3.25
13 PARAMPHINOME PULCHELLA					7	3	10	2	2.36	48.23	1.67	2.875	-1.35	4.68
14 HALICELLA SPA		4		4	1	1	10	4	2.36	50.59	1.67	1.862	-.29	3.62
15 PARALACYDONIA PARADOXA		3	2	2	1	1	9	5	2.13	52.72	1.50	1.049	.40	2.60
16 THARYX ANNULOSUS	3	2	1	1	1		8	5	1.89	54.61	1.33	1.033	.25	2.42
17 ARMANDIA MACULATA		1	3	1		3	8	4	1.89	56.50	1.33	1.366	-.10	2.77
18 THARYX MARIONI	3		2	1	2		8	4	1.89	58.39	1.33	1.211	.06	2.60
19 LEPTOCHEIRUS SP					5	2	7	2	1.65	60.05	1.17	2.041	-.98	3.31
20 COSSURA DELTA			2	1	3	1	7	4	1.65	61.70	1.17	1.169	-.06	2.39
21 GLYCERA TESSELATA	1	1	1	1	2		6	5	1.42	63.12	1.00	.632	.34	1.66
22 SIGAMBRA TENTACULATA	2			1	2	1	6	4	1.42	64.54	1.00	.894	.06	1.94
23 SKOZSBERGIA CF LERNERI		1			3	2	6	3	1.42	65.96	1.00	1.265	-.33	2.33
24 NEMERTINEA		3			1	2	6	3	1.42	67.38	1.00	1.265	-.33	2.33
25 MINUSPIO LONGIBRANCHIATA		3			2	1	6	3	1.42	68.79	1.00	1.265	-.33	2.33
26 SPIOPHANES LONGICIRRUS				2	2	2	6	3	1.42	70.21	1.00	1.095	-.15	2.15
27 GNATHIA SP				5			5	1	1.18	71.39	.83	2.041	-1.31	2.98
28 LUMBRINERIS PARVAPEDATA			1		4		5	2	1.18	72.58	.83	1.602	-.85	2.51
29 SPIOPHANES SPA				1	4		5	2	1.18	73.76	.83	1.602	-.85	2.51
30 OPHELIIDAE	4						4	1	.95	74.70	.67	1.633	-1.05	2.38
31 NOTOMASTUS AMERICANUS					4		4	1	.95	75.65	.67	1.633	-1.05	2.38
32 RISSOINA CANCELLATA		2		1		1	4	3	.95	76.60	.67	.816	-.19	1.52
33 DENTALIUM SOWERBYI	3					1	4	2	.95	77.54	.67	1.211	-.60	1.94
34 NUCULANA ACUTA	2			1		1	4	3	.95	78.49	.67	.816	-.19	1.52
35 STERNASPIS SCUTATA			1		2	1	4	3	.95	79.43	.67	.816	-.19	1.52
36 SPIOPHANES WIGLEYI		1		2			3	2	.71	80.14	.50	.837	-.38	1.38
37 STHENELAIS BOA				1	1	1	3	3	.71	80.85	.50	.548	-.07	1.07
38 PARAONIS SPA				2		1	3	2	.71	81.56	.50	.837	-.38	1.38
39 THYASIRA SPA				3			3	1	.71	82.27	.50	1.225	-.79	1.79
40 CUMACEAN					1	2	3	2	.71	82.98	.50	.837	-.38	1.38
41 LEPTOCHELA CF BERMUDENSIS		1			1	1	3	3	.71	83.69	.50	.548	-.07	1.07
42 PARAPRIONOSPIO PINNATA	1		1		1		3	3	.71	84.40	.50	.548	-.07	1.07
43 VOLVULELLA TEXASIANA		1	2				3	2	.71	85.11	.50	.837	-.38	1.38
44 POLYNOIDAE				1	1		2	2	.47	85.58	.33	.516	-.21	.88
45 OPHIUROIDEA						2	2	1	.47	86.05	.33	.816	-.52	1.19
46 MEDIOMASTUS CALIFORNIENSIS					1	1	2	2	.47	86.52	.33	.516	-.21	.88
47 ONUPHIDAE					2		2	1	.47	87.00	.33	.816	-.52	1.19
48 CALLIANASSA LATISPINA		1	1				2	2	.47	87.47	.33	.516	-.21	.88
49 ALPHEUS AMBLYONYX		1				1	2	2	.47	87.94	.33	.516	-.21	.88
50 ANOPLODACTYLUS PETIOLATUS	1	1					2	2	.47	88.42	.33	.516	-.21	.88
51 HAPMOTHOE TRIMACULATA		1			1		2	2	.47	88.89	.33	.516	-.21	.88
52 ONUPHIS SPB		1		1			2	2	.47	89.36	.33	.516	-.21	.88
53 TEREBELLIDES STROEMII			1	1			2	2	.47	89.83	.33	.516	-.21	.88
54 CIRRATULID-B			1		1		2	2	.47	90.31	.33	.516	-.21	.88

55	POLYCHAETE SPA				2				2	1	.47	90.78	.33	.816	-.52	1.19
56	AMPELISCA SPA	1		1					2	2	.47	91.25	.33	.516	-.21	.88
57	SOLEMYA SPA		1						1	1	.24	91.49	.17	.408	-.26	.60
58	AMPHARETE PARVIDENTATA					1			1	1	.24	91.73	.17	.408	-.26	.60
59	PARDALISCID SPA					1			1	1	.24	91.96	.17	.408	-.26	.60
60	ANADARA TRANSVERSA					1			1	1	.24	92.20	.17	.408	-.26	.60
61	MONOCULOIDES SP							1	1	1	.24	92.43	.17	.408	-.26	.60
62	AMAEANA TRILOBATA				1				1	1	.24	92.67	.17	.408	-.26	.60
63	SCUTOPUS SPA	1							1	1	.24	92.91	.17	.408	-.26	.60
64	STHENOLEPIS CF JAPONICA		1						1	1	.24	93.14	.17	.408	-.26	.60
65	LUMBRINERIS SPA					1			1	1	.24	93.38	.17	.408	-.26	.60
66	AMPELISCA ABDITA							1	1	1	.24	93.62	.17	.408	-.26	.60
67	CAULLERIELLA SPA							1	1	1	.24	93.85	.17	.408	-.26	.60
68	TANAID SPJ	1							1	1	.24	94.09	.17	.408	-.26	.60
69	GONIADA MACULATA	1							1	1	.24	94.33	.17	.408	-.26	.60
70	SPIOCHAETOPTERUS COSTARUM					1			1	1	.24	94.56	.17	.408	-.26	.60
71	THARYX DORSOBRANCHIALIS		1						1	1	.24	94.80	.17	.408	-.26	.60
72	HYBLIS CF AFFINIS	1							1	1	.24	95.04	.17	.408	-.26	.60
73	CUMACEAN SPC				1				1	1	.24	95.27	.17	.408	-.26	.60
74	HIPPOMEDON CF SERRATUS		1						1	1	.24	95.51	.17	.408	-.26	.60
75	CLYTIA LONGICYATHA	1							1	1	.24	95.74	.17	.408	-.26	.60
76	AGLAOPHAMUS CIRCINATA			1					1	1	.24	95.98	.17	.408	-.26	.60
77	NINOE NIGRIPES			1					1	1	.24	96.22	.17	.408	-.26	.60
78	LUMBRINERIS ALBIDENTATA					1			1	1	.24	96.45	.17	.408	-.26	.60
79	AMYGDALUM PAPYRIUM			1					1	1	.24	96.69	.17	.408	-.26	.60
80	DIOPATRA SP			1					1	1	.24	96.93	.17	.408	-.26	.60
81	AIYIDAE				1				1	1	.24	97.16	.17	.408	-.26	.60
82	SPHYRAPUS SPA				1				1	1	.24	97.40	.17	.408	-.26	.60
83	NEREID SPB					1			1	1	.24	97.64	.17	.408	-.26	.60
84	NOTOMASTUS CF LATERICEUS		1						1	1	.24	97.87	.17	.408	-.26	.60
85	CERAPUS TUBULARIS					1			1	1	.24	98.11	.17	.408	-.26	.60
86	NEPHTYS INCISA		1						1	1	.24	98.35	.17	.408	-.26	.60
87	SYLLIS SPC							1	1	1	.24	98.58	.17	.408	-.26	.60
88	AMPHARETIDAE				1				1	1	.24	98.82	.17	.408	-.26	.60
89	OSTRACOD SPD	1							1	1	.24	99.05	.17	.408	-.26	.60
90	STENOTHOIDAE	1							1	1	.24	99.29	.17	.408	-.26	.60
91	PHORONIDA							1	1	1	.24	99.53	.17	.408	-.26	.60
92	NEREID(NICON) SPA		1						1	1	.24	99.76	.17	.408	-.26	.60
93	FLABELLIGERIDAE							1	1	1	.24	100.00	.17	.408	-.26	.60

NO. OF SPECIES	22	34	24	36	46	38	
NO. OF INDIVIDUALS	42	68	37	65	135	76	423

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	II	93	423	5.8064	.9767	.9140

STATION 1 TRANSECT III PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	AMPELISCA AGASSIZI	12	136	84	19	45	19	315	6	52.68	52.68	52.50	48.797	1.28	103.72
2	PARAPRIONOSPIO PINNATA	49	20	20	6	12	23	130	6	21.74	74.41	21.67	14.787	6.15	37.19
3	NEMERTINEA	16	4		5	4	9	38	5	6.35	80.77	6.33	5.538	.52	12.15
4	MEDIOMASTUS CALIFORNIENSIS	7	3		3		7	20	4	3.34	84.11	3.33	3.141	.04	6.63
5	NEREID(NICON) SPA	1	3	1		1	3	9	5	1.51	85.62	1.50	1.225	.21	2.79
6	CERIANTHARIA	3	2		3			8	3	1.34	86.96	1.33	1.506	-.25	2.91
7	NOTOMASTUS CF LATERICEUS	1	3	1		1	1	7	5	1.17	88.13	1.17	.983	.13	2.20
8	NEPHTYS INCISA	1		5		1		7	3	1.17	89.30	1.17	1.941	-.87	3.20
9	SIGAMBRA TENTACULATA	1			3	1	2	7	4	1.17	90.47	1.17	1.169	-.06	2.39
10	COSSURA DELTA	1			4		1	6	3	1.00	91.47	1.00	1.549	-.63	2.63
11	PARAONIS GRACILIS	2	1				2	5	3	.84	92.31	.83	.983	-.20	1.87
12	SPIONIDAE		1				4	5	2	.84	93.14	.83	1.602	-.85	2.51
13	NINOE NIGRIPES		1	2	1			4	3	.67	93.81	.67	.816	-.19	1.52
14	ARICIDEA JEFFREYSII		2	1			1	4	3	.67	94.48	.67	.816	-.19	1.52
15	MAGELONA LONGICORNIS	1			1	1		3	3	.50	94.98	.50	.548	-.07	1.07
16	THARYX MARIONI				2			2	1	.33	95.32	.33	.816	-.52	1.19
17	APSEUDES SPA					1	1	2	2	.33	95.65	.33	.516	-.21	.88
18	SIGAMBRA HASSI						2	2	1	.33	95.99	.33	.816	-.52	1.19
19	MAGELONA PHYLLISAE		1	1				2	2	.33	96.32	.33	.516	-.21	.88
20	LUMBRINERIS PARVAPEDATA	1	1					2	2	.33	96.66	.33	.516	-.21	.88
21	AMPELISCA ABDITA		2					2	1	.33	96.99	.33	.816	-.52	1.19
22	PARAMPHINOME PULCHELLA		1					1	1	.17	97.16	.17	.408	-.26	.60
23	SCOTOPUS SPA	1						1	1	.17	97.32	.17	.408	-.26	.60
24	OPHIDROIDEA	1						1	1	.17	97.49	.17	.408	-.26	.60
25	AGLAOPHAMUS CIRCINATA	1						1	1	.17	97.66	.17	.408	-.26	.60
26	SPIOCHAETOPTERUS COSTARUM						1	1	1	.17	97.83	.17	.408	-.26	.60
27	VOLVULELLA TEXASIANA	1						1	1	.17	97.99	.17	.408	-.26	.60
28	MALACOCEROS VANDERHORSTI				1			1	1	.17	98.16	.17	.408	-.26	.60
29	TRACHYPENAEUS SP		1					1	1	.17	98.33	.17	.408	-.26	.60
30	MINUSPIO CIRRIFERA				1			1	1	.17	98.49	.17	.408	-.26	.60
31	CAPITELLIDAE	1						1	1	.17	98.66	.17	.408	-.26	.60
32	NEREIDAE				1			1	1	.17	98.83	.17	.408	-.26	.60
33	NEREID SPB		1					1	1	.17	99.00	.17	.408	-.26	.60
34	SIPUNCULA		1					1	1	.17	99.16	.17	.408	-.26	.60
35	MINUSPIO LONGIBRANCHIATA	1						1	1	.17	99.33	.17	.408	-.26	.60
36	AEDICIRA BELGICAE			1				1	1	.17	99.50	.17	.408	-.26	.60
37	SPIOPHANES SPA						1	1	1	.17	99.67	.17	.408	-.26	.60
38	LISTRIELLA BARNARDI	1						1	1	.17	99.83	.17	.408	-.26	.60
39	MAGELONA ROSEA		1					1	1	.17	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	20	19	9	13	9	15								
	NO. OF INDIVIDUALS	103	185	116	50	67	77	598							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	III	39	598	2.5460	.6699	.2051

STATION 2 TRANSECT III PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA		2	3	2	5		12	4	9.45	9.45	2.00	1.897	.01	3.99
2	PARAONIS GRACILIS	1		6		1		8	3	6.30	15.75	1.33	2.338	-1.12	3.79
3	NEMERTINEA		2	4			2	8	3	6.30	22.05	1.33	1.633	-.38	3.05
4	COSSURA DELTA			3			3	6	2	4.72	26.77	1.00	1.549	-.63	2.63
5	THYASIRA SPA			3		3		6	2	4.72	31.50	1.00	1.549	-.63	2.63
6	MEDIOMASTUS CALIFORNIENSIS	1		4				5	2	3.94	35.43	.83	1.602	-.85	2.51
7	EUDORELLA MONODON	2		1	2			5	3	3.94	39.37	.83	.983	-.20	1.87
8	AEDICIRA BELGICAE		1	1	1	1		4	4	3.15	42.52	.67	.516	.12	1.21
9	HIPPOMEDON CF SERRATUS		1	2			1	4	3	3.15	45.67	.67	.816	-.19	1.52
10	MAGELONA LONGICORNIS			2	1		1	4	3	3.15	48.82	.67	.816	-.19	1.52
11	NEPHTYS INCISA			1	3			4	2	3.15	51.97	.67	1.211	-.60	1.94
12	LUMBRINERIS PARVAPEDATA			1		3		4	2	3.15	55.12	.67	1.211	-.60	1.94
13	SIGAMBRA TENTACULATA	1				1	1	3	3	2.36	57.48	.50	.548	-.07	1.07
14	AMPHARETIDAE				1	2		3	2	2.36	59.84	.50	.837	-.38	1.38
15	AMPELISCA AGASSIZI	1	1				1	3	3	2.36	62.20	.50	.548	-.07	1.07
16	VOLVULELLA TEXASIANA					3		3	1	2.36	64.57	.50	1.225	-.79	1.79
17	PHILINE SAGRA				1	1		2	2	1.57	66.14	.33	.516	-.21	.88
18	GONIADA NORVEGICA			2				2	1	1.57	67.72	.33	.816	-.52	1.19
19	AMPHARETE PARVIDENTATA		1				1	2	2	1.57	69.29	.33	.516	-.21	.88
20	AMPELISCA SPA	1		1				2	2	1.57	70.87	.33	.516	-.21	.88
21	PARAONIS SPA						2	2	1	1.57	72.44	.33	.816	-.52	1.19
22	SIRENELAIS BOA		1			1		2	2	1.57	74.02	.33	.516	-.21	.88
23	LEPADOMORPHA			2				2	1	1.57	75.59	.33	.816	-.52	1.19
24	PSEUDEURYTHOE AMBIGUA				1			1	1	.79	76.38	.17	.408	-.26	.60
25	CUMACEAN SPB					1		1	1	.79	77.17	.17	.408	-.26	.60
26	LEPTOCHEIRUS SP			1				1	1	.79	77.95	.17	.408	-.26	.60
27	NOTOMASTUS AMERICANUS		1					1	1	.79	78.74	.17	.408	-.26	.60
28	SPIONIDAE			1				1	1	.79	79.53	.17	.408	-.26	.60
29	SPIOPHANES SPA			1				1	1	.79	80.31	.17	.408	-.26	.60
30	PARAONIDES LYRA		1					1	1	.79	81.10	.17	.408	-.26	.60
31	NOTOMASTUS CF AMERICANUS			1				1	1	.79	81.89	.17	.408	-.26	.60
32	DRILONEREIS MAGNA					1		1	1	.79	82.68	.17	.408	-.26	.60
33	AMAEANA TRILOBATA		1					1	1	.79	83.46	.17	.408	-.26	.60
34	ARMANDIA MACULATA			1				1	1	.79	84.25	.17	.408	-.26	.60
35	SCOLELEPIS TEXANA					1		1	1	.79	85.04	.17	.408	-.26	.60
36	CERIANTHARIA						1	1	1	.79	85.83	.17	.408	-.26	.60
37	NEREID SPB					1		1	1	.79	86.61	.17	.408	-.26	.60
38	OPHIODROMUS OBSCURUS		1					1	1	.79	87.40	.17	.408	-.26	.60
39	PINNOTHERIDAE		1					1	1	.79	88.19	.17	.408	-.26	.60
40	LUMBRINERIS CF MAGALHAENSIS						1	1	1	.79	88.98	.17	.408	-.26	.60
41	NINOE NIGRIPES				1			1	1	.79	89.76	.17	.408	-.26	.60
42	THARYX MARIONI	1						1	1	.79	90.55	.17	.408	-.26	.60
43	NOTOMASTUS CF LATERICEUS				1			1	1	.79	91.34	.17	.408	-.26	.60
44	CORBULA SWIFTIANA				1			1	1	.79	92.13	.17	.408	-.26	.60
45	PITAR CORDATUS				1			1	1	.79	92.91	.17	.408	-.26	.60
46	POLYCHAETE SPA			1				1	1	.79	93.70	.17	.408	-.26	.60
47	SPIOPHANES LONGICIRRUS					1		1	1	.79	94.49	.17	.408	-.26	.60
48	SARYTHELLA ELIASONI					1		1	1	.79	95.28	.17	.408	-.26	.60
49	THARYX ANNULOSUS				1			1	1	.79	96.06	.17	.408	-.26	.60
50	EXOGONE DISPAR				1			1	1	.79	96.85	.17	.408	-.26	.60
51	AUTOMATE EVERMANNI				1			1	1	.79	97.64	.17	.408	-.26	.60
52	PODOCEROPSIS SP					1		1	1	.79	98.43	.17	.408	-.26	.60
53	CAULLERIELLA CAPENSIS				1			1	1	.79	99.21	.17	.408	-.26	.60
54	HYALA SPA					1		1	1	.79	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	7	12	21	16	18	10								
	NO. OF INDIVIDUALS	8	14	42	20	29	14		127						

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY

1	ALTERNOCHELATA SPA	1	3	8	3	2		17	5	8.76	8.76	2.83	2.787	-.09	5.76
2	SIGAMBRA TENTACULATA	1	3	2	2	3	2	13	6	6.70	15.46	2.17	.753	1.38	2.96
3	PARAPRIONOSPIO PINNATA	4	1	1	2	1	1	10	6	5.15	20.62	1.67	1.211	.40	2.94
4	DENTALIUM SOWERBYI			2	5		2	9	3	4.64	25.26	1.50	1.975	-.57	3.57
5	NEPHTYS INCISA	1		3	2	1	1	8	5	4.12	29.38	1.33	1.033	.25	2.42
6	PITAR CORDATUS		2	5			1	8	3	4.12	33.51	1.33	1.966	-.73	3.40
7	NEMERTINEA	1	1	2	2		1	7	5	3.61	37.11	1.17	.753	.38	1.96
8	PARAONIS SPA		1	3	2	1		7	4	3.61	40.72	1.17	1.169	-.06	2.39
9	THYASIRA PYGMAEA		1	1	2	1	1	6	5	3.09	43.81	1.00	.632	.34	1.66
10	SPIOPHANES WIGLEYI	1		3		1	1	6	4	3.09	46.91	1.00	1.095	-.15	2.15
11	SPIOPHANES LONGICIRRUS	2	3		1			6	3	3.09	50.00	1.00	1.265	-.33	2.33
12	PARALACYDONIA PARADOXA		2	2	2			6	3	3.09	53.09	1.00	1.095	-.15	2.15
13	STERNASPIS SCUTATA	2		1	1	2		6	4	3.09	56.19	1.00	.894	.06	1.94
14	ARMANDIA MACULATA		1	3			1	5	3	2.58	58.76	.83	1.169	-.39	2.06
15	AGLAOPHAMUS CIRCINATA		2	2	1			5	3	2.58	61.34	.83	.983	-.20	1.87
16	HETEROPHOXUS CF OCULATUS	4						4	1	2.06	63.40	.67	1.633	-1.05	2.38
17	TEREBELLIDES STROEMII			2		2		4	2	2.06	65.46	.67	1.033	-.42	1.75
18	SYLLIS SPC			1	1	1	1	4	4	2.06	67.53	.67	.516	.12	1.21
19	AMPHARETE PARVIDENTATA			2		2		4	2	2.06	69.59	.67	1.033	-.42	1.75
20	COSSURA DELTA		2	1		1		4	3	2.06	71.65	.67	.816	-.19	1.52
21	THARYX MARIONI		2	1	1			4	3	2.06	73.71	.67	.816	-.19	1.52
22	MALDANIDAE	1	2			1		4	3	2.06	75.77	.67	.816	-.19	1.52
23	NINOE NIGRIPES	1		1	1			3	3	1.55	77.32	.50	.548	-.07	1.07
24	NUCULANA ACUTA		1	1		1		3	3	1.55	78.87	.50	.548	-.07	1.07
25	PARAONIS GRACILIS			2			1	3	2	1.55	80.41	.50	.837	-.38	1.38
26	PHILINE SAGRA	1				1		2	2	1.03	81.44	.33	.516	-.21	.88
27	SIPUNCULA	1					1	2	2	1.03	82.47	.33	.516	-.21	.88
28	LUMBRINERIS SPA			1	1			2	2	1.03	83.51	.33	.516	-.21	.88
29	SPHYRAPUS SPA			2				2	1	1.03	84.54	.33	.816	-.52	1.19
30	HIPPOMEDON CF SERRATUS			1	1			2	2	1.03	85.57	.33	.516	-.21	.88
31	PARAONIDES LYRA				2			2	1	1.03	86.60	.33	.816	-.52	1.19
32	THARYX ANNULOSUS	1				1		2	2	1.03	87.63	.33	.516	-.21	.88
33	GLYCERA TESSELATA		1	1				2	2	1.03	88.66	.33	.516	-.21	.88
34	AMPELISCA SPA	1						1	1	.52	89.18	.17	.408	-.26	.60
35	GNATHIA SP			1				1	1	.52	89.69	.17	.408	-.26	.60
36	LUMBRINERIS ALBIDENTATA	1						1	1	.52	90.21	.17	.408	-.26	.60
37	POLYDORA CF HARTMANAE			1				1	1	.52	90.72	.17	.408	-.26	.60
38	RANINOIDES SP			1				1	1	.52	91.24	.17	.408	-.26	.60
39	PROCESSIDAE	1						1	1	.52	91.75	.17	.408	-.26	.60
40	XENANTHURA BREVITELSON					1		1	1	.52	92.27	.17	.408	-.26	.60
41	BYBLIS CF AFFINIS	1						1	1	.52	92.78	.17	.408	-.26	.60
42	ARICIDEA NEUSUECICA				1			1	1	.52	93.30	.17	.408	-.26	.60
43	LUMBRINERIS PARVAPEDATA					1		1	1	.52	93.81	.17	.408	-.26	.60
44	SARSIELLA SPI		1					1	1	.52	94.33	.17	.408	-.26	.60
45	ARICIDEA CF USCHAKOVI			1				1	1	.52	94.85	.17	.408	-.26	.60
46	SEGUENZIA MONOCINGULATA				1			1	1	.52	95.36	.17	.408	-.26	.60
47	NOTOMASTUS HEMIPODUS	1						1	1	.52	95.88	.17	.408	-.26	.60
48	OPHIUROIDEA	1						1	1	.52	96.39	.17	.408	-.26	.60
49	AMYGDALUM PAPYRIUM		1					1	1	.52	96.91	.17	.408	-.26	.60
50	CIRRATULIDAE						1	1	1	.52	97.42	.17	.408	-.26	.60
51	PIROMIS ERUCA		1					1	1	.52	97.94	.17	.408	-.26	.60
52	VOLVULELLA TEXASIANA			1				1	1	.52	98.45	.17	.408	-.26	.60
53	AEDICIRA BELGICAE		1					1	1	.52	98.97	.17	.408	-.26	.60
54	SPIOPHANES SP				1			1	1	.52	99.48	.17	.408	-.26	.60
55	DORVILLEA SPA	1						1	1	.52	100.00	.17	.408	-.26	.60

NO. OF SPECIES	21	20	31	21	18	13	
NO. OF INDIVIDUALS	29	32	59	35	24	15	194

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	III	55	194	5.2701	.9708	1.0182

STATION 4 TRANSECT III PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	MAGELONA PHYLLISAE	167	141	153		137	183	781	5	13.76	13.76	130.17	65.995	60.90	199.44
2	PRIONOSPIO CRISTATA	99	135	115	131	129	103	712	6	12.55	26.31	118.67	15.306	102.60	134.73
3	MEDIOMASTUS CALIFORNIENSIS	21	152	88	72	141	95	569	6	10.03	36.33	94.83	47.789	44.67	144.99
4	SPIOPHANES BOMBYX	58	123	41	54	84	37	397	6	7.00	43.33	66.17	32.394	32.17	100.17
5	LUMBRINERIS PARVAPEDATA	64	31	61	65	39	91	351	6	6.19	49.52	58.50	21.314	36.13	80.87
6	ABRA AEQUALIS	72	51	76	13	44	86	342	6	6.03	55.54	57.00	26.713	28.96	85.04
7	PARAONIDES LYRA	72	96	34	63	39	7	311	6	5.48	61.02	51.83	31.543	18.73	84.94
8	THARYX ANNULOSUS	31	102	16	18	55		222	5	3.91	64.93	37.00	36.759	-1.58	75.58
9	NEMERTINEA	1	58	14	48	37	22	180	6	3.17	68.11	30.00	21.531	7.40	52.60
10	POLYCHAETE SPA	12	49	26	8	28	20	143	6	2.52	70.63	23.83	14.566	8.54	39.12
11	ARICIDEA TAYLORI	18	24	18	28	31	23	142	6	2.50	73.13	23.67	5.241	18.17	29.17
12	ARICIDEA JEFFREYSII	8	28	21	16	7	9	89	6	1.57	74.70	14.83	8.424	5.99	23.68
13	PARAPRIONOSPIO PINNATA	15	7	14	16	5	27	84	6	1.48	76.18	14.00	7.797	5.82	22.18
14	MAGELONA PETTIBONEAE	2	18	5	12	16	28	81	6	1.43	77.60	13.50	9.418	3.61	23.39
15	APOPRIONOSPIO PYGMAEA	21	15	11	6	9	12	74	6	1.30	78.91	12.33	5.203	6.87	17.79
16	CORBULA SWIFTIANA	14	6	9	12	7	22	70	6	1.23	80.14	11.67	5.888	5.49	17.85
17	ANADARA TRANSVERSA	5	30		3	12	13	63	5	1.11	81.25	10.50	10.821	-.86	21.86
18	TELLINA VERSICOLOR	17	2	8	1	19	12	59	6	1.04	82.29	9.83	7.521	1.94	17.73
19	COSSURA DELIA	12	2	7	23	8	6	58	6	1.02	83.31	9.67	7.285	2.02	17.31
20	DIPLODONTA CF SOROR	10	2	20	5	12	8	57	6	1.00	84.32	9.50	6.253	2.94	16.06
21	AGLAOPHAMUS VERRILLI	2	9	8	9	7	8	43	6	.76	85.07	7.17	2.639	4.40	9.94
22	AMPELISCA SPB	16	6	8	1	1	8	40	6	.70	85.78	6.67	5.574	.82	12.52
23	AMPELISCA VERRILLI	7	4	8	2	8	3	32	6	.56	86.34	5.33	2.658	2.54	8.12
24	AMPELISCA CF CRISTATA	3	4	8	5	4	8	32	6	.56	86.91	5.33	2.160	3.07	7.60
25	CERATOCEPHALE OCULATA	5	1	1	17	4	4	32	6	.56	87.47	5.33	5.955	-.92	11.58
26	THARYX MARIONI			4	6	1	21	32	4	.56	88.04	5.33	8.042	-3.11	13.77
27	MINUSPIO CIRRIFERA	2		8	2	13	1	26	5	.46	88.49	4.33	5.086	-1.00	9.67
28	OPHIUROIDEA		6	1	3	5	10	25	5	.44	88.93	4.17	3.656	.33	8.00
29	LUMBRINERIS TENUIS	7	7	1	2	3	3	23	6	.41	89.34	3.83	2.563	1.14	6.52
30	POLYCIRRUS SPA	7	2		5	5	4	23	5	.41	89.74	3.83	2.483	1.23	6.44
31	BRANCHIOSTOMA CARIBAEUM		4	1	3	13	1	22	5	.39	90.13	3.67	4.803	-1.37	8.71
32	PARAONIS GRACILIS	1	5	1	7	4	4	22	6	.39	90.52	3.67	2.338	1.21	6.12
33	APSEUDES SPA	1	1	10	5	1	2	20	6	.35	90.87	3.33	3.615	-.46	7.13
34	SIPUNCULA	2	3	3	3	5	2	18	6	.32	91.19	3.00	1.095	1.85	4.15
35	AGLAOPHAMUS CIRCINATA	4	3		2	1	7	17	5	.30	91.49	2.83	2.483	.23	5.44
36	NEREIS LAMELLOSA	1	11		1	3		16	4	.28	91.77	2.67	4.227	-1.77	7.10
37	TELLINIDAE		16					16	1	.28	92.05	2.67	6.532	-4.19	9.52
38	AEDICIRA BELGICAE	5	3	1		2	4	15	5	.26	92.32	2.50	1.871	.54	4.46
39	SPIONIDAE	4		2	1	3	3	13	5	.23	92.55	2.17	1.472	.62	3.71
40	LUCINA AMIANTUS			6		4	3	13	3	.23	92.78	2.17	2.563	-.52	4.86
41	PHORONIDA	1	5	2	1	1	3	13	6	.23	93.00	2.17	1.602	.49	3.85
42	AMPELISCA AGASSIZI	5		5		1	1	12	4	.21	93.22	2.00	2.366	-.48	4.48
43	PARAONIDAE	2		4	6			12	3	.21	93.43	2.00	2.530	-.66	4.66
44	GYPTIS VITTATA	3	1	2	3		2	11	5	.19	93.62	1.83	1.169	.61	3.06
45	MAGELONA ROSEA	5			3	2		10	3	.18	93.80	1.67	2.066	-.50	3.83
46	AMAEANA TRILOBATA	3	2		3		2	10	4	.18	93.97	1.67	1.366	.23	3.10
47	SCHISTOMERINGOS SPA	1	5		4			10	3	.18	94.15	1.67	2.251	-.70	4.03
48	NEPHTYS BUCERA			5	5			10	2	.18	94.33	1.67	2.582	-1.04	4.38
49	SPIOPHANES SPA		2	1	4	2		9	4	.16	94.48	1.50	1.517	-.09	3.09
50	ARICIDEA WASSI	1	3	2	1	2		9	5	.16	94.64	1.50	1.049	.40	2.60
51	OGYRIDES LIMICOLA	5		1	2	1		9	4	.16	94.80	1.50	1.871	-.46	3.46
52	DIOPATRA CUPREA	1	2		1	1	4	9	5	.16	94.96	1.50	1.378	.05	2.95
53	AMPHARETE ACUTIFRONS	6		1		1		8	3	.14	95.10	1.33	2.338	-1.12	3.79
54	GONIADA LITTOREA	2	3	1	1	1		8	5	.14	95.24	1.33	1.033	.25	2.42

55 PSEUDEURYTHOE AMBIGUA			4	2		2	8	3	.14	95.38	1.33	1.633	-.38	3.05
56 SPIOCHAETOPTERUS COSTARUM	1	2	2	1	2		8	5	.14	95.52	1.33	.816	.48	2.19
57 LISTRIELLA BARNARDI	2		1	3	1		7	4	.12	95.65	1.17	1.169	-.06	2.39
58 CYCLASPIS VARIANS	2	1			3	1	7	4	.12	95.77	1.17	1.169	-.06	2.39
59 CABIRA INCERTA	1	3	1		1	1	7	5	.12	95.89	1.17	.983	.13	2.20
60 SIGAMBRA TENTACULATA	1			3	2	1	7	4	.12	96.02	1.17	1.169	-.06	2.39
61 LUCINA MULTILINEATA	1	1	3	1		1	7	5	.12	96.14	1.17	.983	.13	2.20
62 NUCULA PROXIMA	3		1			2	6	3	.11	96.25	1.00	1.265	-.33	2.33
63 PHOTIS MACROMANUS	3	1	2				6	3	.11	96.35	1.00	1.265	-.33	2.33
64 SYNCHELIDIUM CF AMERICANUM	1	1	2		1	1	6	5	.11	96.46	1.00	.632	.34	1.66
65 CIRROPHORUS LYRIFORMIS	6						6	1	.11	96.56	1.00	2.449	-1.57	3.57
66 TEREBELLIDES STROEMII	1	2	1		1	1	6	5	.11	96.67	1.00	.632	.34	1.66
67 SCOLOPLOS RUBRA	2	2			1		5	3	.09	96.76	.83	.983	-.20	1.87
68 EUDEXAMUS PRAELONGUS	1	1		1		2	5	4	.09	96.85	.83	.753	.04	1.62
69 CALLIANASSA BIFORMIS			1	1	3		5	3	.09	96.93	.83	1.169	-.39	2.06
70 LUMBRINERIS JANUARII				3	1	1	5	3	.09	97.02	.83	1.169	-.39	2.06
71 STHENELAIS BOA	2			1		1	4	3	.07	97.09	.67	.816	-.19	1.52
72 OXYUROSTYLIS SP	1	1	2				4	3	.07	97.16	.67	.816	-.19	1.52
73 MINUSPIO LONGIBRANCHIATA		4					4	1	.07	97.23	.67	1.633	-1.05	2.38
74 NEPHTYS PICTA	1	1			2		4	3	.07	97.30	.67	.816	-.19	1.52
75 DIOPATRA CF NEOTRIDENS		4					4	1	.07	97.37	.67	1.633	-1.05	2.38
76 AMPHARETE AMERICANA		3				1	4	2	.07	97.44	.67	1.211	-.60	1.94
77 OWENIA FUSIFORMIS		1			2	1	4	3	.07	97.52	.67	.816	-.19	1.52
78 AMPHILOCHUS SP		4					4	1	.07	97.59	.67	1.633	-1.05	2.38
79 PODOCEROPSIS SP		1	1		2		4	3	.07	97.66	.67	.816	-.19	1.52
80 UNCIOLA SERRATA			1	1		2	4	3	.07	97.73	.67	.816	-.19	1.52
81 DRILONEREIS MAGNA	1			1		1	3	3	.05	97.78	.50	.548	-.07	1.07
82 SCOLOPLOS CAPENSIS	1	1	1				3	3	.05	97.83	.50	.548	-.07	1.07
83 NETAMELITA BARNARDI	1		1	1			3	3	.05	97.89	.50	.548	-.07	1.07
84 CYCLASPIS SPB	3						3	1	.05	97.94	.50	1.225	-.79	1.79
85 OPHIODROMUS OBSCURUS	1				2		3	2	.05	97.99	.50	.837	-.38	1.38
86 ZOANTHARIA		2			1		3	2	.05	98.04	.50	.837	-.38	1.38
87 HAPLOSCOLOPLOS FOLIOSUS		1		1	1		3	3	.05	98.10	.50	.548	-.07	1.07
88 SABELLARIA VULGARIS						3	3	1	.05	98.15	.50	1.225	-.79	1.79
89 PAGURIDAE		1				2	3	2	.05	98.20	.50	.837	-.38	1.38
90 LUMBRINERIS SP				3			3	1	.05	98.26	.50	1.225	-.79	1.79
91 PROCESSA HEMPHILLI			1			2	3	2	.05	98.31	.50	.837	-.38	1.38
92 DIOGENIDAE					3		3	1	.05	98.36	.50	1.225	-.79	1.79
93 GONIADIDAE				1		2	3	2	.05	98.41	.50	.837	-.38	1.38
94 COROPHIID SPA					2		2	1	.04	98.45	.33	.816	-.52	1.19
95 ERICHTHONIAS BRASILIENSIS					2		2	1	.04	98.48	.33	.816	-.52	1.19
96 NEOMEGAMPHOPUS SP					2		2	1	.04	98.52	.33	.816	-.52	1.19
97 POLIDICES DUPLICATUS					1	1	2	2	.04	98.56	.33	.516	-.21	.88
98 MONOCULOIDES SPB	1			1			2	2	.04	98.59	.33	.516	-.21	.88
99 ONUPHIDAE	1					1	2	2	.04	98.63	.33	.516	-.21	.88
100 ISOLDA PULCHELLA		1			1		2	2	.04	98.66	.33	.516	-.21	.88
101 CHAETOZONE SETOSA		2					2	1	.04	98.70	.33	.816	-.52	1.19
102 BATEA SP		2					2	1	.04	98.73	.33	.816	-.52	1.19
103 MALDANIDAE	1					1	2	2	.04	98.77	.33	.516	-.21	.88
104 CHAETOPTERIDAE			1			1	2	2	.04	98.80	.33	.516	-.21	.88
105 PINNOTHERIDAE	1		1				2	2	.04	98.84	.33	.516	-.21	.88
106 NATICIDAE	1	1					2	2	.04	98.87	.33	.516	-.21	.88
107 SIGALIONIDAE			1			1	2	2	.04	98.91	.33	.516	-.21	.88
108 MAGELONA SP			2				2	1	.04	98.94	.33	.816	-.52	1.19
109 NUCULANA ACUTA			1		1		2	2	.04	98.98	.33	.516	-.21	.88
110 CIRRIFORMIA GRANDIS	1	1					2	2	.04	99.01	.33	.516	-.21	.88
111 MERCENARIA CAMPECHIENSIS	2						2	1	.04	99.05	.33	.816	-.52	1.19
112 HARMOTHOE IMBRICATA					1		1	1	.02	99.07	.17	.408	-.26	.60
113 CHIONE CLENCHI						1	1	1	.02	99.08	.17	.408	-.26	.60
114 SCHISTOMERINGOS RUDOLPHI					1		1	1	.02	99.10	.17	.408	-.26	.60
115 ALPHEIDAE					1		1	1	.02	99.12	.17	.408	-.26	.60
116 SIRUM MACULATUM	1						1	1	.02	99.14	.17	.408	-.26	.60

117	ARMANDIA AGILIS				1			1	1	.02	99.15	.17	.408	-.26	.60
118	CIRRATULIDAE				1			1	1	.02	99.17	.17	.408	-.26	.60
119	CUMACEAN			1				1	1	.02	99.19	.17	.408	-.26	.60
120	GLYCERA AMERICANA					1		1	1	.02	99.21	.17	.408	-.26	.60
121	PENAEIDAE					1		1	1	.02	99.22	.17	.408	-.26	.60
122	SERPULIDAE		1					1	1	.02	99.24	.17	.408	-.26	.60
123	PINNIDAE						1	1	1	.02	99.26	.17	.408	-.26	.60
124	CLYMENELLA TORQUATA					1		1	1	.02	99.28	.17	.408	-.26	.60
125	ARICIDEA NEOSUECICA					1		1	1	.02	99.30	.17	.408	-.26	.60
126	LUMBRINERIS ALBIDENTATA						1	1	1	.02	99.31	.17	.408	-.26	.60
127	PARAMETOPELLA TEXENSIS		1					1	1	.02	99.33	.17	.408	-.26	.60
128	CAPITELLA CAPITATA			1				1	1	.02	99.35	.17	.408	-.26	.60
129	POLYDORA AGGREGATA		1					1	1	.02	99.37	.17	.408	-.26	.60
130	AMPELISCA ABDITA		1					1	1	.02	99.38	.17	.408	-.26	.60
131	PERSEPHONA SP					1		1	1	.02	99.40	.17	.408	-.26	.60
132	SPIOPHANES WIGLEYI					1		1	1	.02	99.42	.17	.408	-.26	.60
133	TEREBRA PROTEXTA						1	1	1	.02	99.44	.17	.408	-.26	.60
134	TEREBELLIDAE						1	1	1	.02	99.45	.17	.408	-.26	.60
135	EUPANTHALIS KINBERGI					1		1	1	.02	99.47	.17	.408	-.26	.60
136	ARICIDEA CF FRAGILIS				1			1	1	.02	99.49	.17	.408	-.26	.60
137	LAONICE CIRRATA				1			1	1	.02	99.51	.17	.408	-.26	.60
138	TELLINA AEQUISTRIATA			1				1	1	.02	99.52	.17	.408	-.26	.60
139	MUNNA SP			1				1	1	.02	99.54	.17	.408	-.26	.60
140	ARCINELLA CORNUTA	1						1	1	.02	99.56	.17	.408	-.26	.60
141	SAMYTHELLA ELIASONI				1			1	1	.02	99.58	.17	.408	-.26	.60
142	DIOPATRA TRIDENTATA			1				1	1	.02	99.59	.17	.408	-.26	.60
143	CREPIDULA CF FORNICATA				1			1	1	.02	99.61	.17	.408	-.26	.60
144	SIGAMBRA BASSI					1		1	1	.02	99.63	.17	.408	-.26	.60
145	GONEPLACIDAE				1			1	1	.02	99.65	.17	.408	-.26	.60
146	TRACHYPENAEUS SIMILIS						1	1	1	.02	99.67	.17	.408	-.26	.60
147	PRIONOSPIO STEENSTRUPI		1					1	1	.02	99.68	.17	.408	-.26	.60
148	COROPHIOID SPA	1						1	1	.02	99.70	.17	.408	-.26	.60
149	POLYNOIDAE					1		1	1	.02	99.72	.17	.408	-.26	.60
150	SOLEN VIRIDIS				1			1	1	.02	99.74	.17	.408	-.26	.60
151	NOTOMASTUS HEMIPODUS					1		1	1	.02	99.75	.17	.408	-.26	.60
152	GONIADA MACULATA					1		1	1	.02	99.77	.17	.408	-.26	.60
153	EULIMA HEMPHILLI						1	1	1	.02	99.79	.17	.408	-.26	.60
154	PHYLLODOCE MUCOSA						1	1	1	.02	99.81	.17	.408	-.26	.60
155	NEPHTYIDAE		1					1	1	.02	99.82	.17	.408	-.26	.60
156	LOVENELLA GRANDIS					1		1	1	.02	99.84	.17	.408	-.26	.60
157	NEREID(NICON) SPA	1						1	1	.02	99.86	.17	.408	-.26	.60
158	HETEROCRYPTA GRANULATA						1	1	1	.02	99.88	.17	.408	-.26	.60
159	NERETDAE						1	1	1	.02	99.89	.17	.408	-.26	.60
160	CAPITELLIDAE			1				1	1	.02	99.91	.17	.408	-.26	.60
161	EULIMA BIFASCIATA		1					1	1	.02	99.93	.17	.408	-.26	.60
162	LEPTOCHELA SERRATORBITA		1					1	1	.02	99.95	.17	.408	-.26	.60
163	OLIVA SAYANA					1		1	1	.02	99.96	.17	.408	-.26	.60
164	CRASSINELLA LUNULATA			1				1	1	.02	99.98	.17	.408	-.26	.60
165	NATICA CANRENA	1						1	1	.02	100.00	.17	.408	-.26	.60

NO. OF SPECIES 80 78 73 72 87 76
NO. OF INDIVIDUALS 8701233 870 7351012 955 5675

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	III	165	5675	4.8139	.9344	.2606

STATION 5 TRANSECT III PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	APSEUDES SPA	13		1	51	16	4	85	5	20.68	20.68	14.17	19.177	-5.96	34.30
2	PARAPRIONOSPIO PINNATA	11	7	7	17	15	4	61	6	14.84	35.52	10.17	5.076	4.84	15.49
3	AMPELISCA ABDITA	4	3	12	7	11	2	39	6	9.49	45.01	6.50	4.231	2.06	10.94
4	LUMBRINERIS PARVAPEDATA	2		3	9	5	4	23	5	5.60	50.61	3.83	3.061	.62	7.05
5	NOTOMASTUS CF LATERICEUS	2	5	2	5	4	2	20	6	4.87	55.47	3.33	1.506	1.75	4.91
6	NEPHTYS INCISA	1	3	2	2	8	3	19	6	4.62	60.10	3.17	2.483	.56	5.77
7	EUDORELLA MONODON	5	1		2	7	2	17	5	4.14	64.23	2.83	2.639	.06	5.60
8	NEMERTINEA	2			7	4	2	15	4	3.65	67.88	2.50	2.665	-.30	5.30
9	AMPELISCA VERRILLI	2	2	2	2	7		15	5	3.65	71.53	2.50	2.345	.04	4.96
10	CORBULA SWIFTIANA	6			7	1		14	3	3.41	74.94	2.33	3.266	-1.09	5.76
11	PARAONIS GRACILIS	1	2	3	1	3	1	11	6	2.68	77.62	1.83	.983	.80	2.87
12	SPIONIDAE	5	2		2	1		10	4	2.43	80.05	1.67	1.862	-.29	3.62
13	AMPELISCA AGASSIZI		1			8	1	10	3	2.43	82.48	1.67	3.141	-1.63	4.96
14	LISTRIELLA BARNARDI		1		5	4		10	3	2.43	84.91	1.67	2.251	-.70	4.03
15	PINNIDAE	2			1	1	3	7	4	1.70	86.62	1.17	1.169	-.06	2.39
16	VOLVULELLA TEXASIANA	1		2	1	1		5	4	1.22	87.83	.83	.753	.04	1.62
17	MEDIOMASTUS CALIFORNIENSIS	1		2		1	1	5	4	1.22	89.05	.83	.753	.04	1.62
18	ARICIDEA JEFFREYSII					4	1	5	2	1.22	90.27	.83	1.602	-.85	2.51
19	BRANCHIOSTOMA CARIBAEUM	1	1		2		1	5	4	1.22	91.48	.83	.753	.04	1.62
20	MAGELONA LONGICORNIS	2	1	1			1	5	4	1.22	92.70	.83	.753	.04	1.62
21	COSSURA DELTA	1			1		2	4	3	.97	93.67	.67	.816	-.19	1.52
22	SIGAMBRA TENTACULATA		1	1		1		3	3	.73	94.40	.50	.548	-.07	1.07
23	ONILONEREIS MAGNA				2			2	1	.49	94.89	.33	.816	-.52	1.19
24	ABRA AEQUALIS					2		2	1	.49	95.38	.33	.816	-.52	1.19
25	PARAONIS SPA		1				1	2	2	.49	95.86	.33	.516	-.21	.88
26	NINOE NIGRIPES	1				1		2	2	.49	96.35	.33	.516	-.21	.88
27	NATICIDAE	1			1			2	2	.49	96.84	.33	.516	-.21	.88
28	HYALA SPA			1				1	1	.24	97.08	.17	.408	-.26	.60
29	GONEPLACIDAE						1	1	1	.24	97.32	.17	.408	-.26	.60
30	CIRROPHORUS LYRIFORMIS				1			1	1	.24	97.57	.17	.408	-.26	.60
31	OPHIUROIDEA				1			1	1	.24	97.81	.17	.408	-.26	.60
32	SIGAMBRA BASSI		1					1	1	.24	98.05	.17	.408	-.26	.60
33	ARMANDIA MACULATA		1					1	1	.24	98.30	.17	.408	-.26	.60
34	MAGELONA ROSEA		1					1	1	.24	98.54	.17	.408	-.26	.60
35	NEREID(NICON) SPA				1			1	1	.24	98.78	.17	.408	-.26	.60
36	PARAONIDES LYRA				1			1	1	.24	99.03	.17	.408	-.26	.60
37	AMPHICTEIS GUNNERI			1				1	1	.24	99.27	.17	.408	-.26	.60
38	ALPHEUS SP				1			1	1	.24	99.51	.17	.408	-.26	.60
39	POLYCHAETE SPA	1						1	1	.24	99.76	.17	.408	-.26	.60
40	MACOMA POLLEYI	1						1	1	.24	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	22	17	14	24	21	18								
	NO. OF INDIVIDUALS	66	34	40	130	105	36	411							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	III	40	411	4.1593	.9114	.6750

STATION 6 TRANSECT III PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIPUNCULA	2	2	1	3	2		10	5	6.17	6.17	1.67	1.033	.58	2.75
2	PHILOMEDES SPA	4	3		2		1	10	4	6.17	12.35	1.67	1.633	-.05	3.38
3	PITAR CORDATUS	4	1			3		8	3	4.94	17.28	1.33	1.751	-.50	3.17
4	PARAONIS GRACILIS		1	2		1	4	8	4	4.94	22.22	1.33	1.506	-.25	2.91
5	NEMERTINEA		3		1	1	1	6	4	3.70	25.93	1.00	1.095	-.15	2.15
6	COSSURA DELTA	2		1	1	1	1	6	5	3.70	29.63	1.00	.632	.34	1.66
7	SPIOPHANES WIGLEYI	1			5			6	2	3.70	33.33	1.00	2.000	-1.10	3.10
8	AMPELISCA SPA	1	2	2			1	6	4	3.70	37.04	1.00	.894	.06	1.94
9	TEREBELLIDES STROEMII	2			2	1		5	3	3.09	40.12	.83	.983	-.20	1.87
10	TETRAGONODON SPA	2	1		1			4	3	2.47	42.59	.67	.816	-.19	1.52
11	OSTRACOD SPAA	2		1	1			4	3	2.47	45.06	.67	.816	-.19	1.52
12	SPIONIDAE			3	1			4	2	2.47	47.53	.67	1.211	-.60	1.94
13	DENTALIUM SOWERBYI	1	1	1		1		4	4	2.47	50.00	.67	.516	.12	1.21
14	ALTERNOCHELATA SPA			2		1	1	4	3	2.47	52.47	.67	.816	-.19	1.52
15	SIGAMBRA TENTACULATA		1		2		1	4	3	2.47	54.94	.67	.816	-.19	1.52
16	ONUPHIDAE		2			1	1	4	3	2.47	57.41	.67	.816	-.19	1.52
17	NINOE NIGRIPES	1	1		1			3	3	1.85	59.26	.50	.548	-.07	1.07
18	HYBLIS CF AFFINIS		2	1				3	2	1.85	61.11	.50	.837	-.38	1.38
19	HARBANSUS PAUCICHELATUS		2				1	3	2	1.85	62.96	.50	.837	-.38	1.38
20	OSTRACOD SPD	1			1		1	3	3	1.85	64.81	.50	.548	-.07	1.07
21	THYASIRA PYGMAEA		3					3	1	1.85	66.67	.50	1.225	-.79	1.79
22	OPHIUROIDEA			1		1		2	2	1.23	67.90	.33	.516	-.21	.88
23	CYCLOCARDIA ARMILLA		1			1		2	2	1.23	69.14	.33	.516	-.21	.88
24	PLATYISCHNOPUS SP	1	1					2	2	1.23	70.37	.33	.516	-.21	.88
25	SARSIELLA CF GREYI		2					2	1	1.23	71.60	.33	.816	-.52	1.19
26	SYLLIS SPC			2				2	1	1.23	72.84	.33	.816	-.52	1.19
27	PARAMEKODON SP					2		2	1	1.23	74.07	.33	.816	-.52	1.19
28	XENANTHURA BREVITELSON	1	1					2	2	1.23	75.31	.33	.516	-.21	.88
29	ARMANDIA MACULATA			1			1	2	2	1.23	76.54	.33	.516	-.21	.88
30	ONUPHIS SPB	2						2	1	1.23	77.78	.33	.816	-.52	1.19
31	HETEROSPIO LONGISSIMA		2					2	1	1.23	79.01	.33	.816	-.52	1.19
32	STERNASPIS SCUTATA		2					2	1	1.23	80.25	.33	.816	-.52	1.19
33	VOLVULELLA TEXASIANA				1		1	2	2	1.23	81.48	.33	.516	-.21	.88
34	APSEUDES SPA				2			2	1	1.23	82.72	.33	.816	-.52	1.19
35	GONIADA MACULATA					2		2	1	1.23	83.95	.33	.816	-.52	1.19
36	PHILINE SAGRA		1				1	2	2	1.23	85.19	.33	.516	-.21	.88
37	PARALACYDONIA PARADOXA				1			1	1	.62	85.80	.17	.408	-.26	.60
38	LUMBRINERIS SPA					1		1	1	.62	86.42	.17	.408	-.26	.60
39	PINNIDAE	1						1	1	.62	87.04	.17	.408	-.26	.60
40	NEPHTYS INCISA					1		1	1	.62	87.65	.17	.408	-.26	.60
41	LUMBRINERIS TENUIS	1						1	1	.62	88.27	.17	.408	-.26	.60
42	EUPANTHALIS KINBERGI			1				1	1	.62	88.89	.17	.408	-.26	.60
43	CALLIANASSA ATLANTICA			1				1	1	.62	89.51	.17	.408	-.26	.60
44	SPIOPHANES SPA						1	1	1	.62	90.12	.17	.408	-.26	.60
45	ANACHIS CALLIGLYPTA				1			1	1	.62	90.74	.17	.408	-.26	.60
46	ARICIDEA JEFFREYSII			1				1	1	.62	91.36	.17	.408	-.26	.60
47	AMPHARETIDAE					1		1	1	.62	91.98	.17	.408	-.26	.60
48	AMPHICTEIS GUNNERI					1		1	1	.62	92.59	.17	.408	-.26	.60
49	METAPHOXUS CF FREQUENS	1						1	1	.62	93.21	.17	.408	-.26	.60
50	CAPITELLID SPC			1				1	1	.62	93.83	.17	.408	-.26	.60
51	CIRRATULIDAE	1						1	1	.62	94.44	.17	.408	-.26	.60
52	THARYX ANNULOSUS				1			1	1	.62	95.06	.17	.408	-.26	.60
53	PIROMIS ERUCA	1						1	1	.62	95.68	.17	.408	-.26	.60
54	AGLAOPHAMUS CIRCINATA		1					1	1	.62	96.30	.17	.408	-.26	.60

55 PARAPRIONOSPIO PINNATA		1					1	1	.62	96.91	.17	.408	-.26	.60
56 BRANCHIOSTOMA CARIBAEUM				1			1	1	.62	97.53	.17	.408	-.26	.60
57 HIPPOMEDON CF SERRATUS				1			1	1	.62	98.15	.17	.408	-.26	.60
58 LUMBRINERIS PARVAPEDATA			1				1	1	.62	98.77	.17	.408	-.26	.60
59 CUMACEAN SPF				1			1	1	.62	99.38	.17	.408	-.26	.60
60 CORBULA SWIFTIANA		1					1	1	.62	100.00	.17	.408	-.26	.60

NO. OF SPECIES	20	24	17	20	17	14	
NO. OF INDIVIDUALS	32	38	23	30	22	17	162

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	III	60	162	5.5103	.9779	1.1167

STATION 1 TRANSECT IV PERIOD 77SPRING

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 LUMBRINERIS PARVAPEDATA	54	56	111	53	59	52	385	6	21.54	21.54	64.17	23.077	39.94	88.39
2 PRIONOSPIO STEENSTRUPI	16	23	34	21	15	13	122	6	6.83	28.37	20.33	7.685	12.27	28.40
3 THARYX ANNULOSUS	14	5	32	33	23	9	116	6	6.49	34.86	19.33	11.843	6.90	31.76
4 SIPUNCULA	10	15	16	8	17	28	94	6	5.26	40.12	15.67	7.005	8.31	23.02
5 PARAPRIONOSPIO PINNATA	11	9	25	7	19	5	76	6	4.25	44.38	12.67	7.737	4.55	20.79
6 MEDIOMASTUS CALIFORNIENSIS	12	5	38	5	12	2	74	6	4.14	48.52	12.33	13.216	-1.54	26.21
7 NEREID(NICON) SPA	18	9	13	5	12	13	70	6	3.92	52.43	11.67	4.367	7.08	16.25
8 SPIONIDAE	21	11	17		9		58	4	3.25	55.68	9.67	8.618	.62	18.71
9 CERATONEREIS IRRITABILIS	15	6	1	6	3	11	42	6	2.35	58.03	7.00	5.177	1.57	12.43
10 PARAONIDES LYRA	2	4	11	10	4	5	36	6	2.01	60.04	6.00	3.633	2.19	9.81
11 NEMERTINEA	8	3	10		11	4	36	5	2.01	62.06	6.00	4.336	1.45	10.55
12 NOTOMASTUS CF LATERICEUS	10	7	5	3	4	6	35	6	1.96	64.02	5.83	2.483	3.23	8.44
13 MAGELONA PHYLLISAE	7	3	8	4	5	7	34	6	1.90	65.92	5.67	1.966	3.60	7.73
14 AMPELISCA SPB	9	5	5	2	7		28	5	1.57	67.49	4.67	3.266	1.24	8.09
15 CERATOCEPHALE OCULATA	2	10	4	3	2	2	23	6	1.29	68.77	3.83	3.125	.55	7.11
16 THARYX MARIONI	3	4	8	1		6	22	5	1.23	70.01	3.67	3.011	.51	6.83
17 AMPELISCA CF CRISTATA	7	1	3	5	4	2	22	6	1.23	71.24	3.67	2.160	1.40	5.93
18 AMPHARETE ACUTIFRONS	11		1	2	6	1	21	5	1.18	72.41	3.50	4.231	-.94	7.94
19 CORBULA SWIFTIANA	11	1	4	1	4		21	5	1.18	73.59	3.50	4.037	-.74	7.74
20 ABRA AEQUALIS	4		2	1	12		19	4	1.06	74.65	3.17	4.579	-1.64	7.97
21 MAGELONA PETTIBONEAE	2	1	9	3	3	1	19	6	1.06	75.71	3.17	2.994	.02	6.31
22 NEPHTYS MAGELLANICA	4	5	3		6		18	4	1.01	76.72	3.00	2.530	.34	5.66
23 DIOPATRA TRIDENTATA	2	2	6	2	4	2	18	6	1.01	77.73	3.00	1.673	1.24	4.76
24 MINUSPIO CIRRIFERA			4	1	9	3	17	4	.95	78.68	2.83	3.430	-.77	6.43
25 OWENIA FUSIFORMIS	6		1		10		17	3	.95	79.63	2.83	4.215	-1.59	7.26
26 PRIONOSPIO CRISTATA			10	1	3	1	15	4	.84	80.47	2.50	3.834	-1.52	6.52
27 TEREBELLIDES STROEMII	2	1	6	2	1	2	14	6	.78	81.25	2.33	1.862	.38	4.29
28 POLYCHAETE SPA	3	1	1	2	6	1	14	6	.78	82.04	2.33	1.966	.27	4.40
29 UNCIOLA SERRATA	4		5		3	2	14	4	.78	82.82	2.33	2.066	.17	4.50
30 LUMBRINERIS TENUIS	2	3	2	1	2	3	13	6	.73	83.55	2.17	.753	1.38	2.96
31 AMPELISCA VERRILLI	2	1	4	1	4	1	13	6	.73	84.28	2.17	1.472	.62	3.71
32 NOTOMASTUS HEMIPODUS	1	4			3	4	12	4	.67	84.95	2.00	1.897	.01	3.99
33 GLYCERA AMERICANA	2	3	1		2	3	11	5	.62	85.56	1.83	1.169	.61	3.06
34 MALDANIDAE	2		2	1	2	3	10	5	.56	86.12	1.67	1.033	.58	2.75
35 CIRRATULID-B					8	2	10	2	.56	86.68	1.67	3.204	-1.70	5.03
36 LUMBRINERIS CF MAGALHAENSIS	2	1	3		3	1	10	5	.56	87.24	1.67	1.211	.40	2.94
37 MELINNA MACULATA	5				4		9	2	.50	87.74	1.50	2.345	-.96	3.96
38 AKICIDEA TAYLORI	1		2	2	3	1	9	5	.50	88.25	1.50	1.049	.40	2.60
39 CAULLERIELLA CAPENSIS	2	3	4				9	3	.50	88.75	1.50	1.761	-.35	3.35
40 AMPELISCA AGASSIZI				6		3	9	2	.50	89.26	1.50	2.510	-1.13	4.13
41 AKICIDEA WASSI	4		2	1		1	8	4	.45	89.70	1.33	1.506	-.25	2.91
42 PARAONIS GRACILIS	2	1	2	1	2		8	5	.45	90.15	1.33	.816	.48	2.19
43 MICROSPIO PIGMENTATA		5			3		8	2	.45	90.60	1.33	2.160	-.93	3.60
44 AKICIDEA JEFFREYSII			1	4		2	7	3	.39	90.99	1.17	1.602	-.51	2.85
45 HARBANSUS PAUCICHELATUS	4	1			2		7	3	.39	91.38	1.17	1.602	-.51	2.85
46 COSSURA DELTA		1	2	1	2		6	4	.34	91.72	1.00	.894	.06	1.94
47 CIRRATULID SPA			2	1	1	2	6	4	.34	92.05	1.00	.894	.06	1.94
48 ONUPHIS SPA	3	1		1	1		6	4	.34	92.39	1.00	1.095	-.15	2.15
49 SPIOPHANES SPA	2		2		1		5	3	.28	92.67	.83	.983	-.20	1.87
50 DRILONEREIS MAGNA		3			1		4	2	.22	92.89	.67	1.211	-.60	1.94
51 PHOTIS MACROMANUS			2		1	1	4	3	.22	93.12	.67	.816	-.19	1.52
52 CLYMENELLA TORQUATA	1	1	1			1	4	4	.22	93.34	.67	.516	.12	1.21
53 PALEANOTUS HETEROSETA					3	1	4	2	.22	93.56	.67	1.211	-.60	1.94
54 AMPELISCA ABDITA					2	2	4	2	.22	93.79	.67	1.033	-.42	1.75

55	NOTOMASTUS AMERICANUS	1		3					4	2	.22	94.01	.67	1.211	-.60	1.94
56	GYPTIS VITTATA			2			1		3	2	.17	94.18	.50	.837	-.38	1.38
57	NEREIS SPC		1	2					3	2	.17	94.35	.50	.837	-.38	1.38
58	VITRINELLA FLORIDANA					3			3	1	.17	94.52	.50	1.225	-.79	1.79
59	ASYCHIS SP					2	1		3	2	.17	94.68	.50	.837	-.38	1.38
60	GLYCERA SPB			3					3	1	.17	94.85	.50	1.225	-.79	1.79
61	LAONICE CIRRATA	3							3	1	.17	95.02	.50	1.225	-.79	1.79
62	AUTOMATE SP	2				1			3	2	.17	95.19	.50	.837	-.38	1.38
63	SCOLOPLOS RUBRA					2	1		3	2	.17	95.36	.50	.837	-.38	1.38
64	PARAONIDAE					3			3	1	.17	95.52	.50	1.225	-.79	1.79
65	ERICHTHONIAS BRASILIENSIS	3							3	1	.17	95.69	.50	1.225	-.79	1.79
66	SPEOCARCINUS LOBATUS	2		1					3	2	.17	95.86	.50	.837	-.38	1.38
67	GLYCERA CAPITATA		3						3	1	.17	96.03	.50	1.225	-.79	1.79
68	OPHIOGLYCERA DISTORTA		1	1			1		3	3	.17	96.19	.50	.548	-.07	1.07
69	PARAMPHINOME PULCHELLA		1				1		2	2	.11	96.31	.33	.516	-.21	.88
70	LISTRIELLA BARNARDI					1	1		2	2	.11	96.42	.33	.516	-.21	.88
71	DIOPATRA CF NEOTRIDENS		1			1			2	2	.11	96.53	.33	.516	-.21	.88
72	MAGELONA LONGICORNIS			1			1		2	2	.11	96.64	.33	.516	-.21	.88
73	SYNCHELIDIUM CF AMERICANUM						2		2	1	.11	96.75	.33	.816	-.52	1.19
74	TELLINA VERSICOLOR		1				1		2	2	.11	96.87	.33	.516	-.21	.88
75	SARSIELLA DISPARALIS		1			1			2	2	.11	96.98	.33	.516	-.21	.88
76	AMAEANA TRILOBATA			2					2	1	.11	97.09	.33	.816	-.52	1.19
77	AMPHARETIDAE			2					2	1	.11	97.20	.33	.816	-.52	1.19
78	TEINOSTOMA BISCAYNENSE					2			2	1	.11	97.31	.33	.816	-.52	1.19
79	SIGAMBRA TENTACULATA	1		1					2	2	.11	97.43	.33	.516	-.21	.88
80	NEREIDAE				1		1		2	2	.11	97.54	.33	.516	-.21	.88
81	GLOTTIDIA PYRAMIDATA	1				1			2	2	.11	97.65	.33	.516	-.21	.88
82	POLYCIRRUS SPA				1		1		2	2	.11	97.76	.33	.516	-.21	.88
83	CIRRATULIDAE				2				2	1	.11	97.87	.33	.816	-.52	1.19
84	NEPHTYIDAE	1			1				2	2	.11	97.99	.33	.516	-.21	.88
85	CAHIRA INCERTA					1	1		2	2	.11	98.10	.33	.516	-.21	.88
86	MAGELONA ROSEA	2							2	1	.11	98.21	.33	.816	-.52	1.19
87	SPIOPHANES BOMBYX			1					1	1	.06	98.27	.17	.408	-.26	.60
88	CHAETOZONE SETOSA				1				1	1	.06	98.32	.17	.408	-.26	.60
89	MALACOCEROS VANDERHORSTI					1			1	1	.06	98.38	.17	.408	-.26	.60
90	NOTOMASTUS LATERICEUS				1				1	1	.06	98.43	.17	.408	-.26	.60
91	ASYCHIS ELONGATA	1							1	1	.06	98.49	.17	.408	-.26	.60
92	TRACHYPENAEUS SIMILIS				1				1	1	.06	98.55	.17	.408	-.26	.60
93	MALACOCEROS INDICUS		1						1	1	.06	98.60	.17	.408	-.26	.60
94	CIRRIFORMIA GRANDIS				1				1	1	.06	98.66	.17	.408	-.26	.60
95	ISOLDA PULCHELLA						1		1	1	.06	98.71	.17	.408	-.26	.60
96	GLYCERA TESSELATA	1							1	1	.06	98.77	.17	.408	-.26	.60
97	PHILINE SAGRA	1							1	1	.06	98.82	.17	.408	-.26	.60
98	AMPELISCA SP			1					1	1	.06	98.88	.17	.408	-.26	.60
99	ANADARA TRANSVERSA					1			1	1	.06	98.94	.17	.408	-.26	.60
100	ARAHELLA TRICOLOR			1					1	1	.06	98.99	.17	.408	-.26	.60
101	AGLAOPHAMUS VERRILLI	1							1	1	.06	99.05	.17	.408	-.26	.60
102	PISTA CRISTATA		1						1	1	.06	99.10	.17	.408	-.26	.60
103	HAMINOEA SPA			1					1	1	.06	99.16	.17	.408	-.26	.60
104	SICYONIA DORSALIS						1		1	1	.06	99.22	.17	.408	-.26	.60
105	LUMBRINERIS ALBIDENTATA				1				1	1	.06	99.27	.17	.408	-.26	.60
106	NEREID SPB		1						1	1	.06	99.33	.17	.408	-.26	.60
107	CIRROPHORUS LYRIFORMIS					1			1	1	.06	99.38	.17	.408	-.26	.60
108	PHYLLODOCE MUCOSA					1			1	1	.06	99.44	.17	.408	-.26	.60
109	SPEOCARCINUS SP						1		1	1	.06	99.50	.17	.408	-.26	.60
110	NUCULA PROXIMA					1			1	1	.06	99.55	.17	.408	-.26	.60
111	MINUSPIO LONGIBRANCHIATA			1					1	1	.06	99.61	.17	.408	-.26	.60
112	LUCINA AMIANTUS	1							1	1	.06	99.66	.17	.408	-.26	.60
113	DOSINIA ELEGANS		1						1	1	.06	99.72	.17	.408	-.26	.60
114	OPHIUROIDEA					1			1	1	.06	99.78	.17	.408	-.26	.60
115	PSEUDEURYTHOE AMBIGUA					1			1	1	.06	99.83	.17	.408	-.26	.60
116	EXOGONE DISPAR			1					1	1	.06	99.89	.17	.408	-.26	.60

117 LUMBRINERIS SP	1					1	1	.06	99.94	.17	.408	-.26	.60
118 ARICIDEA CF FRAGILIS	1					1	1	.06	100.00	.17	.408	-.26	.60

NO. OF SPECIES	56	47	62	44	66	54
NO. OF INDIVIDUALS	324	228	451	211	348	225	1787

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	IV	118	1787	5.0966	.9318	.4407

STATION 2 TRANSECT IV PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAONIS GRACILIS	4	4		4	3	2	17	5	5.03	5.03	2.83	1.602	1.15	4.51
2	COSSURA DELTA	6		2		6	2	16	4	4.73	9.76	2.67	2.733	-.20	5.53
3	ABRA AEQUALIS	5		1		7	3	16	4	4.73	14.50	2.67	2.875	-.35	5.68
4	HETEROPHOXUS CF OCULATUS	1	6	1	4	2	1	15	6	4.44	18.93	2.50	2.074	.32	4.68
5	PARAONIS SPA	5	1	1	1	3	4	15	6	4.44	23.37	2.50	1.761	.65	4.35
6	NEMERTINEA	4	3	1	1	3	3	15	6	4.44	27.81	2.50	1.225	1.21	3.79
7	NEPHTYS INCISA	4	1	1	4	3	1	14	6	4.14	31.95	2.33	1.506	.75	3.91
8	SPIONIDAE	7	3			2		12	3	3.55	35.50	2.00	2.757	-.89	4.89
9	PARAONIDAE	1	2	1	3	2	2	11	6	3.25	38.76	1.83	.753	1.04	2.62
10	PILARGIS BERKELYAE	8	1		1			10	3	2.96	41.72	1.67	3.141	-1.63	4.96
11	OPHIUROIDEA	3	1	1	1	1		7	5	2.07	43.79	1.17	.983	.13	2.20
12	LUMBRINERIS PARVAPEDATA	2		1		1	3	7	4	2.07	45.86	1.17	1.169	-.06	2.39
13	MAGELONA LONGICORNIS		2	1	1		3	7	4	2.07	47.93	1.17	1.169	-.06	2.39
14	VOLVULELLA TEXASIANA	3	1		2		1	7	4	2.07	50.00	1.17	1.169	-.06	2.39
15	SIPUNCULA		5		1			6	2	1.78	51.78	1.00	2.000	-1.10	3.10
16	MEDIOMASTUS CALIFORNIENSIS	1		1		2	2	6	4	1.78	53.55	1.00	.894	.06	1.94
17	PARAPRIONOSPIO PINNATA		2	1		1	2	6	4	1.78	55.33	1.00	.894	.06	1.94
18	PHILINE SAGRA		3	1		1	1	6	4	1.78	57.10	1.00	1.095	-.15	2.15
19	MAGELONA ROSEA					5		5	1	1.48	58.58	.83	2.041	-1.31	2.98
20	ARICIDEA JEFFREYSII	4					1	5	2	1.48	60.06	.83	1.602	-.85	2.51
21	ARMANDIA MACULATA	4	1					5	2	1.48	61.54	.83	1.602	-.85	2.51
22	NOTOMASTUS CF LATERICEUS	1	2	1	1			5	4	1.48	63.02	.83	.753	.04	1.62
23	PITAR CORDATUS	1	2		2			5	3	1.48	64.50	.83	.983	-.20	1.87
24	AMPELISCA VERRILLI	1	3					4	2	1.18	65.68	.67	1.211	-.60	1.94
25	UNCIOLA SERRATA	1				2	1	4	3	1.18	66.86	.67	.816	-.19	1.52
26	AMPELISCA AGASSIZI					4		4	1	1.18	68.05	.67	1.033	-1.05	2.38
27	APSEUDES SPA	1	3					4	2	1.18	69.23	.67	1.211	-.60	1.94
28	GONIADA NORVEGICA	1	2			1		4	3	1.18	70.41	.67	.816	-.19	1.52
29	NOTOMASTUS LATERICEUS		3				1	4	2	1.18	71.60	.67	1.211	-.60	1.94
30	THARYX ANNULOSUS	2			1	1		4	3	1.18	72.78	.67	.816	-.19	1.52
31	EUDORELLA MONODON		2				2	4	2	1.18	73.96	.67	1.033	-.42	1.75
32	OPHIODROMUS OBSCURUS				1	1	1	3	3	.89	74.85	.50	.548	-.07	1.07
33	ECHINODERMATA	1		1			1	3	3	.89	75.74	.50	.548	-.07	1.07
34	CIRROPHORUS LYRIFORMIS	2	1					3	2	.89	76.63	.50	.837	-.38	1.38
35	LUMBRINERIS TENUIS	1		1			1	3	3	.89	77.51	.50	.548	-.07	1.07
36	POLYCHAETE SPA	1			1		1	3	3	.89	78.40	.50	.548	-.07	1.07
37	ARICIDEA WASSI		1			1	1	3	3	.89	79.29	.50	.548	-.07	1.07
38	PARAONIDES LYRA	1		1	1			3	3	.89	80.18	.50	.548	-.07	1.07
39	NEREID(NICON) SPA	1				2		3	2	.89	81.07	.50	.837	-.38	1.38
40	CHASMOCARCINUS MISSISSIPPIENSIS			1		1		2	2	.59	81.66	.33	.516	-.21	.88
41	AMPHARETE PARVIDENTATA				2			2	1	.59	82.25	.33	.816	-.52	1.19
42	SIGAMBRA TENTACULATA	1	1					2	2	.59	82.84	.33	.516	-.21	.88
43	CORBULA SWIFTIANA			1		1		2	2	.59	83.43	.33	.516	-.21	.88
44	FLABELLIGERIDAE	1				1		2	2	.59	84.02	.33	.516	-.21	.88
45	PHYLLODOCE MUCOSA					2		2	1	.59	84.62	.33	.816	-.52	1.19
46	GLOTTIDIA PYRAMIDATA			1	1			2	2	.59	85.21	.33	.516	-.21	.88
47	APSEUDES SPB						2	2	1	.59	85.80	.33	.816	-.52	1.19
48	DRILONEREIS MAGNA						2	2	1	.59	86.39	.33	.816	-.52	1.19
49	ORBINIA AMERICANA	1			1			2	2	.59	86.98	.33	.516	-.21	.88
50	LETOLAMBRUS NITIDUS					2		2	1	.59	87.57	.33	.816	-.52	1.19
51	SPIOPHANES SPA		1			1		2	2	.59	88.17	.33	.516	-.21	.88
52	ARICIDEA NEOSUECICA			1	1			2	2	.59	88.76	.33	.516	-.21	.88
53	NUCULANA ACUTA			1			1	2	2	.59	89.35	.33	.516	-.21	.88
54	THYASIRA SPA	2						2	1	.59	89.94	.33	.816	-.52	1.19

55	PROCESSA HEMPHILLI	1						1	1	.30	90.24	.17	.408	-.26	.60
56	DIOPATRA TRIDENTATA						1	1	1	.30	90.53	.17	.408	-.26	.60
57	LAONICE CIRRATA						1	1	1	.30	90.83	.17	.408	-.26	.60
58	ARICIDEA TAYLORI			1				1	1	.30	91.12	.17	.408	-.26	.60
59	ANACHIS CALLIGLYPTA				1			1	1	.30	91.42	.17	.408	-.26	.60
60	TEREBELLIDAE	1						1	1	.30	91.72	.17	.408	-.26	.60
61	NATICIDAE			1				1	1	.30	92.01	.17	.408	-.26	.60
62	ONUPHIS SPA				1			1	1	.30	92.31	.17	.408	-.26	.60
63	HETEROSPIO LONGISSIMA					1		1	1	.30	92.60	.17	.408	-.26	.60
64	SCOLELEPIS TEXANA	1						1	1	.30	92.90	.17	.408	-.26	.60
65	MALDANIDAE		1					1	1	.30	93.20	.17	.408	-.26	.60
66	THARYX MARIONI						1	1	1	.30	93.49	.17	.408	-.26	.60
67	ONUPHIDAE	1						1	1	.30	93.79	.17	.408	-.26	.60
68	ASYCHIS ELONGATA		1					1	1	.30	94.08	.17	.408	-.26	.60
69	AMPELISCA ABDITA		1					1	1	.30	94.38	.17	.408	-.26	.60
70	AMPELISCA CF CRISTATA					1		1	1	.30	94.67	.17	.408	-.26	.60
71	GLYCERA CAPITATA						1	1	1	.30	94.97	.17	.408	-.26	.60
72	KALLIAPSEUDES SPA						1	1	1	.30	95.27	.17	.408	-.26	.60
73	NEPHTYIDAE				1			1	1	.30	95.56	.17	.408	-.26	.60
74	ODOSTOMIA SEMINUDA		1					1	1	.30	95.86	.17	.408	-.26	.60
75	GLYCERA SPB				1			1	1	.30	96.15	.17	.408	-.26	.60
76	POLYCIRRUS SPA		1					1	1	.30	96.45	.17	.408	-.26	.60
77	SPIOPHANES LONGICIRRUS						1	1	1	.30	96.75	.17	.408	-.26	.60
78	EULIMA BIFASCIATA				1			1	1	.30	97.04	.17	.408	-.26	.60
79	HIPPOMEDON CF SERRATUS	1						1	1	.30	97.34	.17	.408	-.26	.60
80	AMPHARETIDAE		1					1	1	.30	97.63	.17	.408	-.26	.60
81	POLYDORTES LUPINA	1						1	1	.30	97.93	.17	.408	-.26	.60
82	MYSTIDES RARICA				1			1	1	.30	98.22	.17	.408	-.26	.60
83	LEPTOSTYLIS SP		1					1	1	.30	98.52	.17	.408	-.26	.60
84	TANAID SPG	1						1	1	.30	98.82	.17	.408	-.26	.60
85	NINOE NIGRIPES		1					1	1	.30	99.11	.17	.408	-.26	.60
86	SIGAMBRA WASSI		1					1	1	.30	99.41	.17	.408	-.26	.60
87	CUSPIDARIA MEDIA						1	1	1	.30	99.70	.17	.408	-.26	.60
88	ALPHEUS FLORIDANUS						1	1	1	.30	100.00	.17	.408	-.26	.60

NO. OF SPECIES	40	35	24	27	30	34	
NO. OF INDIVIDUALS	89	66	25	41	64	53	338

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	IV	88	338	5.8318	.9784	.9886

STATION 3 TRANSECT IV PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIPUNCULA	12	9	9	5	8	9	52	6	11.30	11.30	8.67	2.251	6.30	11.03
2	RUTIDERMA SPA			1	10	1	17	29	4	6.30	17.61	4.83	7.083	-2.60	12.27
3	ONUPHIS SPB	5	3		8	4	3	23	5	5.00	22.61	3.83	2.639	1.06	6.60
4	PARAPRIONOSPIO PINNATA	5		1	3	7	5	21	5	4.57	27.17	3.50	2.665	.70	6.30
5	MAGELONA LONGICORNIS	4	1	5	3	3	3	19	6	4.13	31.30	3.17	1.329	1.77	4.56
6	PARALACYDONIA PARADOXA	3	2	1	2	2	1	11	6	2.39	33.70	1.83	.753	1.04	2.62
7	PARAONIS GRACILIS	1		2	2	2	4	11	5	2.39	36.09	1.83	1.329	.44	3.23
8	ONUPHIS SPF	1	3		5	1		10	4	2.17	38.26	1.67	1.966	-.40	3.73
9	NEMERTINEA	2	3	3			2	10	4	2.17	40.43	1.67	1.366	.23	3.10
10	SPIOPHANES SPA		5		3		1	9	3	1.96	42.39	1.50	2.074	-.68	3.68
11	MALDANIDAE	1	2	1	2	1	2	9	6	1.96	44.35	1.50	.548	.93	2.07
12	TEREBELLIDAE	1	4	3				8	3	1.74	46.09	1.33	1.751	-.50	3.17
13	SABELLIDAE		3	3		1	1	8	4	1.74	47.83	1.33	1.366	-.10	2.77
14	AMPHARETE PARVIDENTATA		1	1	2	1	2	7	5	1.52	49.35	1.17	.753	.38	1.96
15	ONUPHIS SPA			1	2	2	2	7	4	1.52	50.87	1.17	.983	.13	2.20
16	PARAMPHINOME PULCHELLA		1		1	1	3	6	4	1.30	52.17	1.00	1.095	-.15	2.15
17	LUMBRINERIS PARVAPEDATA		1		2	1	2	6	4	1.30	53.48	1.00	.894	.06	1.94
18	SPIOPHANES LONGICIRRUS		4	1	1			6	3	1.30	54.78	1.00	1.549	-.63	2.63
19	SIGAMBRA TENTACULATA	1	1				4	6	3	1.30	56.09	1.00	1.549	-.63	2.63
20	HETEROPHOXUS CF OCULATUS		1		2		3	6	3	1.30	57.39	1.00	1.265	-.33	2.33
21	TANAID SPE		2	1	1	1	1	6	5	1.30	58.70	1.00	.632	.34	1.66
22	TEREBELLIDES STROEMII			2		3	1	6	3	1.30	60.00	1.00	1.265	-.33	2.33
23	THARYX ANNULOSUS	1		2	1	1		5	4	1.09	61.09	.83	.753	.04	1.62
24	POLYDORA CF HARTMANAE	2	1	1		1		5	4	1.09	62.17	.83	.753	.04	1.62
25	SPIONIDAE			1	2	1		4	3	.87	63.04	.67	.816	-.19	1.52
26	CAPRELLID			1	2	1		4	3	.87	63.91	.67	.816	-.19	1.52
27	GLYCERA TESSELATA		1			2	1	4	3	.87	64.78	.67	.816	-.19	1.52
28	SPIOCHAETOPTERUS COSTARUM	1	3					4	2	.87	65.65	.67	1.211	-.60	1.94
29	PHYLLODOCE MUCOSA				2		2	4	2	.87	66.52	.67	1.033	-.42	1.75
30	COSSURA DELTA	1			1	1	1	4	4	.87	67.39	.67	.516	.12	1.21
31	THARYX MARIONI	1	2			1		4	3	.87	68.26	.67	.816	-.19	1.52
32	CORBULA SWIFTIANA				4			4	1	.87	69.13	.67	1.633	-1.05	2.38
33	CUMACEAN SPI				3	1		4	2	.87	70.00	.67	1.211	-.60	1.94
34	STERNASPIS SCUTATA	1		1			2	4	3	.87	70.87	.67	.816	-.19	1.52
35	HALIOPHASMA SPA				2	2		4	2	.87	71.74	.67	1.033	-.42	1.75
36	HYBLIS CF AFFINIS						4	4	1	.87	72.61	.67	1.633	-1.05	2.38
37	NEPHTYIDAE			1			2	3	2	.65	73.26	.50	.837	-.38	1.38
38	PSEUDOPHILOMEDES SPA				2		1	3	2	.65	73.91	.50	.837	-.38	1.38
39	NEPHTYS MAGELLANICA	1	1		1			3	3	.65	74.57	.50	.548	-.07	1.07
40	RUTIDERMA SPD				2		1	3	2	.65	75.22	.50	.837	-.38	1.38
41	AMPELISCA ABDITA		1		1		1	3	3	.65	75.87	.50	.548	-.07	1.07
42	AMPELISCA SPA		1	1		1		3	3	.65	76.52	.50	.548	-.07	1.07
43	AGLAOPHAMUS INERMIS	1			2			3	2	.65	77.17	.50	.837	-.38	1.38
44	PARAONIDAE	2	1					3	2	.65	77.83	.50	.837	-.38	1.38
45	POLYCHAETE SPA			2		1		3	2	.65	78.48	.50	.837	-.38	1.38
46	AMPELISCA VERRILLI		1	1				2	2	.43	78.91	.33	.516	-.21	.88
47	NOTOCIRRUS CF SPINIFERUS	1		1				2	2	.43	79.35	.33	.516	-.21	.88
48	PARAONIS SPA			1		1		2	2	.43	79.78	.33	.516	-.21	.88
49	LOIMIA MEDUSA		1	1				2	2	.43	80.22	.33	.516	-.21	.88
50	CAPITELLIDAE	1				1		2	2	.43	80.65	.33	.516	-.21	.88
51	LUMBRINERIS TENUIS		1				1	2	2	.43	81.09	.33	.516	-.21	.88
52	CALIFIA CF CALIDA						2	2	1	.43	81.52	.33	.816	-.52	1.19
53	SPIOPHANES SP		2					2	1	.43	81.96	.33	.816	-.52	1.19
54	CHLOEIA VIRIDIS				1		1	2	2	.43	82.39	.33	.516	-.21	.88

55 SPHAEROSYLLIS CF SUBLAEVIS				1		1	2	2	.43	82.83	.33	.516	-.21	.88
56 STHENELAIS BOA		1	1				2	2	.43	83.26	.33	.516	-.21	.88
57 STHENOLEPIS CF JAPONICA		2					2	1	.43	83.70	.33	.816	-.52	1.19
58 CALOCARIS OXYPLEURA				2			2	1	.43	84.13	.33	.816	-.52	1.19
59 STENOTHOE SP				2			2	1	.43	84.57	.33	.816	-.52	1.19
60 SYLLIS SPB	1			1			2	2	.43	85.00	.33	.516	-.21	.88
61 SARSIELLA CF GREYI				1		1	2	2	.43	85.43	.33	.516	-.21	.88
62 NOTOMASTUS HEMIPODUS					2		2	1	.43	85.87	.33	.816	-.52	1.19
63 PRIONOSPIO STEENSTRUPI					2		2	1	.43	86.30	.33	.816	-.52	1.19
64 PARAONIDES LYRA	1					1	2	2	.43	86.74	.33	.516	-.21	.88
65 RUTIDERMA SPB		1	1				2	2	.43	87.17	.33	.516	-.21	.88
66 APANTHURA MAGNIFICA		2					2	1	.43	87.61	.33	.816	-.52	1.19
67 UNCIOLA SERRATA						2	2	1	.43	88.04	.33	.816	-.52	1.19
68 SPIOPHANES WIGLEYI			1			1	2	2	.43	88.48	.33	.516	-.21	.88
69 AGLAOPHAMUS SP				1			1	1	.22	88.70	.17	.408	-.26	.60
70 PHILOMEDES SPA		1					1	1	.22	88.91	.17	.408	-.26	.60
71 MAGELONA ROSEA						1	1	1	.22	89.13	.17	.408	-.26	.60
72 SYNCHELIDIUM CF AMERICANUM		1					1	1	.22	89.35	.17	.408	-.26	.60
73 SARSIELLA SPK						1	1	1	.22	89.57	.17	.408	-.26	.60
74 OPHIUROIDEA						1	1	1	.22	89.78	.17	.408	-.26	.60
75 GNATHIA SP					1		1	1	.22	90.00	.17	.408	-.26	.60
76 ACTINIARIA SPC		1					1	1	.22	90.22	.17	.408	-.26	.60
77 MEDIOMASTUS CALIFORNIENSIS						1	1	1	.22	90.43	.17	.408	-.26	.60
78 GONIADIDAE						1	1	1	.22	90.65	.17	.408	-.26	.60
79 DASYBRANCHUS SP		1					1	1	.22	90.87	.17	.408	-.26	.60
80 CHASMOCARCINUS SP			1				1	1	.22	91.09	.17	.408	-.26	.60
81 SARSIELLA SPF			1				1	1	.22	91.30	.17	.408	-.26	.60
82 NOTOMASTUS CF LATERICEUS		1					1	1	.22	91.52	.17	.408	-.26	.60
83 CUMACEAN SPG				1			1	1	.22	91.74	.17	.408	-.26	.60
84 PTILANTHURA CF TRICARINA			1				1	1	.22	91.96	.17	.408	-.26	.60
85 PILARGIS BERKELYAE	1						1	1	.22	92.17	.17	.408	-.26	.60
86 DENTALIUM SOWERBYI					1		1	1	.22	92.39	.17	.408	-.26	.60
87 OSTRACOD SPD						1	1	1	.22	92.61	.17	.408	-.26	.60
88 NEREID(NICON) SPA				1			1	1	.22	92.83	.17	.408	-.26	.60
89 CUMACEAN SPD						1	1	1	.22	93.04	.17	.408	-.26	.60
90 PHOTIS MACROMANUS				1			1	1	.22	93.26	.17	.408	-.26	.60
91 SYLLIS SP						1	1	1	.22	93.48	.17	.408	-.26	.60
92 SARSIELLA SPC						1	1	1	.22	93.70	.17	.408	-.26	.60
93 PORTUNIDAE	1						1	1	.22	93.91	.17	.408	-.26	.60
94 SERPULA VERMICULARIS			1				1	1	.22	94.13	.17	.408	-.26	.60
95 GONIADA NORVEGICA						1	1	1	.22	94.35	.17	.408	-.26	.60
96 AMAEANA ACCRAENSIS			1				1	1	.22	94.57	.17	.408	-.26	.60
97 AMAEANA TRILOBATA				1			1	1	.22	94.78	.17	.408	-.26	.60
98 SCOLELEPIS TEXANA				1			1	1	.22	95.00	.17	.408	-.26	.60
99 ARMANDIA MACULATA						1	1	1	.22	95.22	.17	.408	-.26	.60
100 JASMINEIRA SP	1						1	1	.22	95.43	.17	.408	-.26	.60
101 SCUTOPUS SPA	1						1	1	.22	95.65	.17	.408	-.26	.60
102 ARICIDEA NEOSUECICA			1				1	1	.22	95.87	.17	.408	-.26	.60
103 POECILOCHAETUS JOHNSONI				1			1	1	.22	96.09	.17	.408	-.26	.60
104 GYPTIS VITTATA	1						1	1	.22	96.30	.17	.408	-.26	.60
105 PISTA CRISTATA					1		1	1	.22	96.52	.17	.408	-.26	.60
106 CERATOCEPHALE OCULATA				1			1	1	.22	96.74	.17	.408	-.26	.60
107 CALLIANASSA ACANTHOCHIRUS				1			1	1	.22	96.96	.17	.408	-.26	.60
108 GLYCERA SP						1	1	1	.22	97.17	.17	.408	-.26	.60
109 DIOPATRA TRIDENTATA					1		1	1	.22	97.39	.17	.408	-.26	.60
110 ALTERNOCHELATA SPA						1	1	1	.22	97.61	.17	.408	-.26	.60
111 ASYCHIS SP			1				1	1	.22	97.83	.17	.408	-.26	.60
112 CALLIANASSA ATLANTICA						1	1	1	.22	98.04	.17	.408	-.26	.60
113 SKOZSBERGIA CF LERNERI						1	1	1	.22	98.26	.17	.408	-.26	.60
114 NEREID SPB					1		1	1	.22	98.48	.17	.408	-.26	.60
115 POLYNOIDAE				1			1	1	.22	98.70	.17	.408	-.26	.60
116 VOLVULELLA TEXASIANA						1	1	1	.22	98.91	.17	.408	-.26	.60

117	CALLIANASSA LATISPINA	1						1	1	.22	99.13	.17	.408	-.26	.60
118	CERIANTHARIA	1						1	1	.22	99.35	.17	.408	-.26	.60
119	SARSIELLID NSPD			1				1	1	.22	99.57	.17	.408	-.26	.60
120	OSTRACOD SPJJ						1	1	1	.22	99.78	.17	.408	-.26	.60
121	MAGELONA SPA			1				1	1	.22	100.00	.17	.408	-.26	.60

NO. OF SPECIES	31	38	39	46	36	53	
NO. OF INDIVIDUALS	58	73	61	97	63	108	460

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	IV	121	460	5.9907	.9717	.8017

STATION 4 TRANSECT IV PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	MAGELONA PHYLLISAE	42	45		42	52	41	222	5	9.75	9.75	37.00	18.569	17.51	56.49
2	LUMBRINERIS PARVAPEDATA	18	29	53	31	49	14	194	6	8.52	18.26	32.33	15.870	15.68	48.99
3	SPIOPHANES BOMBYX	39	16	32	38	37	2	164	6	7.20	25.46	27.33	15.069	11.52	43.15
4	MEDIOMASTUS CALIFORNIENSIS	22	72	25	3	24	7	153	6	6.72	32.18	25.50	24.599	-.32	51.32
5	NEMERTINEA	23	38	22	4	15	22	124	6	5.44	37.62	20.67	11.130	8.99	32.35
6	PARAONIDES LYRA	17	24	16	1	16	17	91	6	3.99	41.62	15.17	7.574	7.22	23.12
7	POLYCHAETE SPA	12	31		4	20	5	72	5	3.16	44.78	12.00	11.679	-.26	24.26
8	ANADARA TRANSVERSA		25	23	2			50	3	2.19	46.97	8.33	12.176	-4.45	21.11
9	MAGELONA PETTIBONEAE	6	7	8	8	11	7	47	6	2.06	49.03	7.83	1.722	6.03	9.64
10	SIPUNCULA		9	13	3	5	13	43	5	1.89	50.92	7.17	5.382	1.52	12.82
11	XENANTHURA BREVITELSON	13	2	5	11	6	1	38	6	1.67	52.59	6.33	4.803	1.29	11.37
12	OPHIUROIDEA	1	11	17	3	2	3	37	6	1.62	54.21	6.17	6.401	-.55	12.88
13	AGLAOPHAMUS VERRILLI	2	5	10	9	4	6	36	6	1.58	55.79	6.00	3.033	2.82	9.18
14	RUTIDERMA SPB	6	1	10	7	2	5	31	6	1.36	57.16	5.17	3.312	1.69	8.64
15	ARICIDEA JEFFREYSII	9	5	1		10	4	29	5	1.27	58.43	4.83	4.070	.56	9.11
16	PARAONIDAE	4	7	6	3	6	3	29	6	1.27	59.70	4.83	1.722	3.03	6.64
17	PRIONOSPIO CRISTATA	4	9	9	2	3		27	5	1.19	60.89	4.50	3.728	.59	8.41
18	PARAONIS GRACILIS	3	9	7	1	3	4	27	6	1.19	62.07	4.50	2.950	1.40	7.60
19	PARAPRIONOSPIO PINNATA	1	11	4	2	6	2	26	6	1.14	63.21	4.33	3.724	.42	8.24
20	CIROLANA SP		23				3	26	2	1.14	64.35	4.33	9.223	-5.35	14.01
21	ARICIDEA TAYLORI	4	1	2	1	12	3	23	6	1.01	65.36	3.83	4.167	-.54	8.21
22	DIPLODONTA CF SOROR	1	2	4	11	2		20	5	.88	66.24	3.33	3.983	-.85	7.51
23	LUMBRINERIS TENUIS	2	5	7		3	2	19	5	.83	67.08	3.17	2.483	.56	5.77
24	POLYCIRRUS SPA	5	1	7	1	1	3	18	6	.79	67.87	3.00	2.530	.34	5.66
25	OWENIA FUSIFORMIS		8	2	1	6		17	4	.75	68.61	2.83	3.371	-.71	6.37
26	PLATYISCHNOPUS SP	1			4	12		17	3	.75	69.36	2.83	4.750	-2.15	7.82
27	NEOMEGAMPHOPUS SP		6	11				17	2	.75	70.11	2.83	4.665	-2.06	7.73
28	DIOPATRA CUPREA		1	15				16	2	.70	70.81	2.67	6.055	-3.69	9.02
29	TELLINA VERSICOLOR	2	2	3	6	3		16	5	.70	71.51	2.67	1.966	.60	4.73
30	SYNCHELIDIUM CF AMERICANUM	6		3	1	6		16	4	.70	72.21	2.67	2.805	-.28	5.61
31	PODOCEROPSIS SP	3	1	10		2		16	4	.70	72.91	2.67	3.777	-1.30	6.63
32	STHENELAIS BOA		3	9	2		1	15	4	.66	73.57	2.50	3.391	-1.06	6.06
33	ZOANTHARIA	7	3	3	2			15	4	.66	74.23	2.50	2.588	-.22	5.22
34	ERICHTHONIAS BRASILIENSIS		2	13				15	2	.66	74.89	2.50	5.206	-2.96	7.96
35	AMPELISCA AGASSIZI			14				14	1	.61	75.50	2.33	5.715	-3.67	8.33
36	ABRA AEQUALIS		2	9		3		14	3	.61	76.12	2.33	3.502	-1.34	6.01
37	CERAIOCEPHALE OCULATA	3		2	2	3	4	14	5	.61	76.73	2.33	1.366	.90	3.77
38	ISOLDA PULCHELLA	4	5		2	3		14	4	.61	77.35	2.33	2.066	.17	4.50
39	NEREIS LAMELLOSA		1	12				13	2	.57	77.92	2.17	4.834	-2.91	7.24
40	HARBANUS PAUCICHELATUS				2	10		12	2	.53	78.45	2.00	4.000	-2.20	6.20
41	MONOCULOIDES SPB	3		1	1	7		12	4	.53	78.97	2.00	2.683	-.82	4.82
42	HYDROIDES SP			11				11	1	.48	79.46	1.83	4.491	-2.88	6.55
43	NOTOMASTUS HEMIPODUS	3	4	3	1			11	4	.48	79.94	1.83	1.722	.03	3.64
44	THARYX MARIONI	1		2	3	2	2	10	5	.44	80.38	1.67	1.033	.58	2.75
45	APOPRIONOSPIO PYGMAEA	1	1	1	2	3	2	10	6	.44	80.82	1.67	.816	.81	2.52
46	TIRON TROPAKIS	3			1	6		10	3	.44	81.26	1.67	2.422	-.88	4.21
47	OXYUROSTYLIS SP	3	2	1	1	3		10	5	.44	81.69	1.67	1.211	.40	2.94
48	CYCLASPIS VARIANS	2			3	5		10	3	.44	82.13	1.67	2.066	-.50	3.83
49	RUTIDERMA SPC	1		3	2	3		9	4	.40	82.53	1.50	1.378	.05	2.95
50	AMPHILOCHUS SP			7		2		9	2	.40	82.92	1.50	2.811	-1.45	4.45
51	NEREID(NICON) SPA		4	1		2	2	9	4	.40	83.32	1.50	1.517	-.09	3.09
52	ARICIDEA CF FRAGILIS		1	4	2	1	1	9	5	.40	83.71	1.50	1.378	.05	2.95
53	SPIONIDAE	3	1	1	1	1	1	8	6	.35	84.06	1.33	.816	.48	2.19
54	SCHISTOMERINGOS SPA	1	5	1		1		8	4	.35	84.42	1.33	1.862	-.62	3.29

55	GONIADA LITTOREA	2	1	2	3			8	4	.35	84.77	1.33	1.211	.06	2.60
56	MONNA SP	3	1		1	2		7	4	.31	85.07	1.17	1.169	-.06	2.39
57	ONUPHIS EREMITA	3			2	2		7	3	.31	85.38	1.17	1.329	-.23	2.56
58	GLYCERA CAPITATA	1	1	5				7	3	.31	85.69	1.17	1.941	-.87	3.20
59	SOLEN VIRIDIS	1	1		2	2	1	7	5	.31	86.00	1.17	.753	.38	1.96
60	MINUSPIO CIRRIFERA		7					7	1	.31	86.30	1.17	2.858	-1.83	4.17
61	AMPELISCA CF CRISTATA	1	4	1			1	7	4	.31	86.61	1.17	1.472	-.38	2.71
62	HARMOTHOE IMBRICATA		2	1			4	7	3	.31	86.92	1.17	1.602	-.51	2.85
63	PHOTIS SPB	2		2	3			7	3	.31	87.23	1.17	1.329	-.23	2.56
64	AMPELISCA VERRILLI		4	2	1			7	3	.31	87.53	1.17	1.602	-.51	2.85
65	PHOTIS SP		3	1		3		7	3	.31	87.84	1.17	1.472	-.38	2.71
66	SARSIELLA CF GREYI	1		2	1	2		6	4	.26	88.10	1.00	.894	.06	1.94
67	SERPULIDAE			6				6	1	.26	88.37	1.00	2.449	-1.57	3.57
68	HARBANSUS PAUCICHELATUS	4	1	1				6	3	.26	88.63	1.00	1.549	-.63	2.63
69	SPIOCHAETOPTERUS COSTARUM		1	2		1	2	6	4	.26	88.89	1.00	.894	.06	1.94
70	CABIRA INCERTA	2			3	1		6	3	.26	89.16	1.00	1.265	-.33	2.33
71	AMAEANA TRILOBATA	2				4		6	2	.26	89.42	1.00	1.673	-.76	2.76
72	NUCULANA ACUTA	1	4	1				6	3	.26	89.68	1.00	1.549	-.63	2.63
73	AMPELISCA SPH		2	4				6	2	.26	89.95	1.00	1.673	-.76	2.76
74	PARAPHOXUS CF EPISTOMUS	2		1	1	2		6	4	.26	90.21	1.00	.894	.06	1.94
75	PHORONIDA		1	1		3		5	3	.22	90.43	.83	1.169	-.39	2.06
76	BRANCHIOSTOMA CARIBAEUM	2				2	1	5	3	.22	90.65	.83	.983	-.20	1.87
77	TEREBELLIDES STROEMII		1	4				5	2	.22	90.87	.83	1.602	-.85	2.51
78	MALDANIDAE	1	1	1	2			5	4	.22	91.09	.83	.753	.04	1.62
79	PALEANOTUS HETEROSETA				2		3	5	2	.22	91.31	.83	1.329	-.56	2.23
80	THARYX ANNULOSUS	3	1					4	2	.18	91.48	.67	1.211	-.60	1.94
81	LISTRIELLA BARNARDI			2		2		4	2	.18	91.66	.67	1.033	-.42	1.75
82	HYDROZOA				1	3		4	2	.18	91.83	.67	1.211	-.60	1.94
83	GLYCERA SP				2	2		4	2	.18	92.01	.67	1.033	-.42	1.75
84	SERPULA VERMICULARIS		3	1				4	2	.18	92.19	.67	1.211	-.60	1.94
85	LUCINA MULTILINEATA		1		2	1		4	3	.18	92.36	.67	.816	-.19	1.52
86	GYPTIS VITTATA	1	1	1		1		4	4	.18	92.54	.67	.516	.12	1.21
87	PHYLLODOCE MUCOSA			1	1	2		4	3	.18	92.71	.67	.816	-.19	1.52
88	CLYMENELLA TORQUATA	1			1		1	3	3	.13	92.84	.50	.548	-.07	1.07
89	POLYDORA LIGNI			3				3	1	.13	92.98	.50	1.225	-.79	1.79
90	CIRRATULID-B	2		1				3	2	.13	93.11	.50	.837	-.38	1.38
91	AMPHARETE AMERICANA		1	2				3	2	.13	93.24	.50	.837	-.38	1.38
92	GLYCERA AMERICANA				2	1		3	2	.13	93.37	.50	.837	-.38	1.38
93	ONUPHIS NEBULOSA		1		1		1	3	3	.13	93.50	.50	.548	-.07	1.07
94	LUMBRINERIS ALBIDENTATA				2		1	3	2	.13	93.63	.50	.837	-.38	1.38
95	NEREIDAE		2	1				3	2	.13	93.77	.50	.837	-.38	1.38
96	PERIPLOMA ORBICULARE				3			3	1	.13	93.90	.50	1.225	-.79	1.79
97	LAONICE CIRRATA		1	2				3	2	.13	94.03	.50	.837	-.38	1.38
98	MICROSPIO PIGMENTATA		2		1			3	2	.13	94.16	.50	.837	-.38	1.38
99	AEDICIRA BELGICAE		1	2				3	2	.13	94.29	.50	.837	-.38	1.38
100	AGLAOPHAMUS CIRCINATA				3			3	1	.13	94.42	.50	1.225	-.79	1.79
101	CORBULA SWIFTIANA		1		2			3	2	.13	94.56	.50	.837	-.38	1.38
102	ONUPHIS SPF	1			2			3	2	.13	94.69	.50	.837	-.38	1.38
103	EUCERAMUS PRAELONGUS		3					3	1	.13	94.82	.50	1.225	-.79	1.79
104	UNCIOLA SERRATA		1	1		1		3	3	.13	94.95	.50	.548	-.07	1.07
105	EUPANTHALIS KINBERGI		1				1	2	2	.09	95.04	.33	.516	-.21	.88
106	NOTOMASTUS CF LATERICEUS			1		1		2	2	.09	95.13	.33	.516	-.21	.88
107	PSEUDOPHILOMEDES SPA	1					1	2	2	.09	95.22	.33	.516	-.21	.88
108	AUTOMATE EVERMANNI			2				2	1	.09	95.30	.33	.816	-.52	1.19
109	ACTINIARIA					1	1	2	2	.09	95.39	.33	.516	-.21	.88
110	DRILONEREIS MAGNA				2			2	1	.09	95.48	.33	.816	-.52	1.19
111	DIOPATRA CF NEOTRIDENS		2					2	1	.09	95.57	.33	.816	-.52	1.19
112	CYLICHNA BIDENTATA					2		2	1	.09	95.65	.33	.816	-.52	1.19
113	CALLIANASSA BIFORMIS				1		1	2	2	.09	95.74	.33	.516	-.21	.88
114	ARICIDEA WASSI	2						2	1	.09	95.83	.33	.816	-.52	1.19
115	SCOLOPLOS RUBRA				1	1		2	2	.09	95.92	.33	.516	-.21	.88
116	NEPHTYIDAE	1	1					2	2	.09	96.01	.33	.516	-.21	.88

117	GLYCERA OXYCEPHALA		1				1	2	2	.09	96.09	.33	.516	-.21	.88
118	LOVENELLA GRANDIS				1	1		2	2	.09	96.18	.33	.516	-.21	.88
119	SIGAMBRA BASSI				1	1		2	2	.09	96.27	.33	.516	-.21	.88
120	ANCISTROSYLLIS JONESI		1	1				2	2	.09	96.36	.33	.516	-.21	.88
121	TEREBELLIDAE			2				2	1	.09	96.44	.33	.816	-.52	1.19
122	PSEUDOPHILOMEDES SPB					2		2	1	.09	96.53	.33	.816	-.52	1.19
123	VOLVULELLA TEXASIANA		1			1		2	2	.09	96.62	.33	.516	-.21	.88
124	NOTOMASTUS LATERICEUS		1				1	2	2	.09	96.71	.33	.516	-.21	.88
125	MAGELONA ROSEA	1			1			2	2	.09	96.80	.33	.516	-.21	.88
126	AMPHARETE ACUTIFRONS			1			1	2	2	.09	96.88	.33	.516	-.21	.88
127	GLOTTIDIA PYRAMIDATA		1		1			2	2	.09	96.97	.33	.516	-.21	.88
128	PINNOTHERIDAE	2						2	1	.09	97.06	.33	.816	-.52	1.19
129	CAPRELLID			1	1			2	2	.09	97.15	.33	.516	-.21	.88
130	GLYCERA SPB		2					2	1	.09	97.23	.33	.816	-.52	1.19
131	PROCESSA HEMPHILLI		1		1			2	2	.09	97.32	.33	.516	-.21	.88
132	HARMOTHOE TRIMACULATA		2					2	1	.09	97.41	.33	.816	-.52	1.19
133	LUMBRINERIS JANUARII		2					2	1	.09	97.50	.33	.816	-.52	1.19
134	PAGURIDAE				1	1		2	2	.09	97.59	.33	.516	-.21	.88
135	OSTRACOD SPMM			1		1		2	2	.09	97.67	.33	.516	-.21	.88
136	EXOGONE DISPAR	1		1				2	2	.09	97.76	.33	.516	-.21	.88
137	GONIADA MACULATA			1			1	2	2	.09	97.85	.33	.516	-.21	.88
138	SPIOPHANES SPA		1					1	1	.04	97.89	.17	.408	-.26	.60
139	NUCULA PROXIMA					1		1	1	.04	97.94	.17	.408	-.26	.60
140	CYCLASPIS SPB				1			1	1	.04	97.98	.17	.408	-.26	.60
141	PARAMETOPELLA TEXENSIS			1				1	1	.04	98.02	.17	.408	-.26	.60
142	RUTIDERMA SPD						1	1	1	.04	98.07	.17	.408	-.26	.60
143	BATEA SP			1				1	1	.04	98.11	.17	.408	-.26	.60
144	ECHINOIDEA				1			1	1	.04	98.16	.17	.408	-.26	.60
145	ARMANDIA MACULATA	1						1	1	.04	98.20	.17	.408	-.26	.60
146	CAPITELLA CAPITATA			1				1	1	.04	98.24	.17	.408	-.26	.60
147	MOIRA ATROPOS				1			1	1	.04	98.29	.17	.408	-.26	.60
148	DOSINIA ELEGANS	1						1	1	.04	98.33	.17	.408	-.26	.60
149	HALICELLA SPA			1				1	1	.04	98.38	.17	.408	-.26	.60
150	ARMANDIA AGILIS					1		1	1	.04	98.42	.17	.408	-.26	.60
151	LUCINA AMIANTUS	1						1	1	.04	98.46	.17	.408	-.26	.60
152	CERATONEREIS IRRITABILIS		1					1	1	.04	98.51	.17	.408	-.26	.60
153	CIRRIFORMIA FILIGERA			1				1	1	.04	98.55	.17	.408	-.26	.60
154	AUTOLYTUS CF FASCIATUS			1				1	1	.04	98.60	.17	.408	-.26	.60
155	PARANAITIS POLYNOIDES				1			1	1	.04	98.64	.17	.408	-.26	.60
156	VITRINELLA FLORIDANA		1					1	1	.04	98.68	.17	.408	-.26	.60
157	SCHISTOMERINGOS RUDOLPHI		1					1	1	.04	98.73	.17	.408	-.26	.60
158	CAPITELLIDAE			1				1	1	.04	98.77	.17	.408	-.26	.60
159	CERIANTHARIA					1		1	1	.04	98.81	.17	.408	-.26	.60
160	LEPTOCHELA SERRATORBITA			1				1	1	.04	98.86	.17	.408	-.26	.60
161	PHOTIS MACROMANUS	1						1	1	.04	98.90	.17	.408	-.26	.60
162	GLYCERA TESSELATA				1			1	1	.04	98.95	.17	.408	-.26	.60
163	PARASTEROPE LATA	1						1	1	.04	98.99	.17	.408	-.26	.60
164	ONUPHIDAE				1			1	1	.04	99.03	.17	.408	-.26	.60
165	POLYDORA CF CONCHARUM			1				1	1	.04	99.08	.17	.408	-.26	.60
166	LEPIDASTHENIA MACULATA			1				1	1	.04	99.12	.17	.408	-.26	.60
167	GONEPLACIDAE			1				1	1	.04	99.17	.17	.408	-.26	.60
168	ALPHEIDAE			1				1	1	.04	99.21	.17	.408	-.26	.60
169	PARAONIS SPA		1					1	1	.04	99.25	.17	.408	-.26	.60
170	PIROMIS ARENOSUS			1				1	1	.04	99.30	.17	.408	-.26	.60
171	MINUSPIO CIRROBRANCHIATA						1	1	1	.04	99.34	.17	.408	-.26	.60
172	GONIADIDAE	1						1	1	.04	99.39	.17	.408	-.26	.60
173	DENTALIUM TEXASIANUM					1		1	1	.04	99.43	.17	.408	-.26	.60
174	PISTA CRISTATA			1				1	1	.04	99.47	.17	.408	-.26	.60
175	COSSURA DELTA						1	1	1	.04	99.52	.17	.408	-.26	.60
176	HYDROIDES PROTULICOLA			1				1	1	.04	99.56	.17	.408	-.26	.60
177	MERCENARIA CAMPECHIENSIS						1	1	1	.04	99.60	.17	.408	-.26	.60
178	SERTULIS SP		1					1	1	.04	99.65	.17	.408	-.26	.60

179 LOIMIA MEDUSA					1			1	1	.04	99.69	.17	.408	-.26	.60
180 HANINDEA SPA			1					1	1	.04	99.74	.17	.408	-.26	.60
181 ORBINIIDAE			1					1	1	.04	99.78	.17	.408	-.26	.60
182 ONUPHIS SPA				1				1	1	.04	99.82	.17	.408	-.26	.60
183 PILARGIS BERKELYAE				1				1	1	.04	99.87	.17	.408	-.26	.60
184 SPIOPHANES SP					1			1	1	.04	99.91	.17	.408	-.26	.60
185 MAGELONA LONGICORNIS					1			1	1	.04	99.96	.17	.408	-.26	.60
186 POLINICES DUPLICATUS					1			1	1	.04	100.00	.17	.408	-.26	.60

NO. OF SPECIES	70	91	100	83	77	49	
NO. OF INDIVIDUALS	331	518	505	290	427	207	2278

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	IV	186	2278	5.8607	.9638	.4731

STATION 5 TRANSECT IV PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA	37	127	142	36	42	169	553	6	59.40	59.40	92.17	60.522	28.64	155.69
2	LUMBRINERIS PARVAPEDATA	14	19	14	4	10	16	77	6	8.27	67.67	12.83	5.231	7.34	18.32
3	NEMERTINEA	11	6	11	4	6	13	51	6	5.48	73.15	8.50	3.619	4.70	12.30
4	MEDIOMASTUS CALIFORNIENSIS	10	5	2	1	4	2	24	6	2.58	75.73	4.00	3.286	.55	7.45
5	PARAONIS GRACILIS	5	5	5	2	3	1	21	6	2.26	77.98	3.50	1.761	1.65	5.35
6	AMPELISCA VERRILLI	6	3	1	3	1	3	17	6	1.83	79.81	2.83	1.835	.91	4.76
7	SPIONIDAE	5	2			1	5	13	4	1.40	81.20	2.17	2.317	-.26	4.60
8	MAGELONA LONGICORNIS	2	6	2	1		2	13	5	1.40	82.60	2.17	2.041	.02	4.31
9	AMPELISCA AGASSIZI		6	6				12	2	1.29	83.89	2.00	3.098	-1.25	5.25
10	CORBULA SWIFTIANA	3		5			4	12	3	1.29	85.18	2.00	2.280	-.39	4.39
11	PARAONIS SPA	4		1		2	3	10	4	1.07	86.25	1.67	1.633	-.05	3.38
12	COSSURA DELTA	4	1	2	2		1	10	5	1.07	87.33	1.67	1.366	.23	3.10
13	AMPELISCA ABDITA	2	1	1	3		2	9	5	.97	88.29	1.50	1.049	.40	2.60
14	NEPHTYIDAE		6	1				7	2	.75	89.04	1.17	2.401	-1.35	3.69
15	NEPHTYS INCISA		3	3				6	2	.64	89.69	1.00	1.549	-.63	2.63
16	PARAONIDAE	2	1	2			1	6	4	.64	90.33	1.00	.894	.06	1.94
17	SIGAMBRA TENTACULATA	1	3			1	1	6	4	.64	90.98	1.00	1.095	-.15	2.15
18	VOLVOLELLA TEXASIANA	1	2		2	1		6	4	.64	91.62	1.00	.894	.06	1.94
19	NEREID(NICON) SPA	2		3			1	6	3	.64	92.27	1.00	1.265	-.33	2.33
20	NINOE NIGRIPES	1		1	1	1	1	5	5	.54	92.80	.83	.408	.40	1.26
21	CIRROPHORUS LYRIFORMIS		2		1		1	4	3	.43	93.23	.67	.816	-.19	1.52
22	APSEUDES SPA			2			2	4	2	.43	93.66	.67	1.033	-.42	1.75
23	SIPUNCULA		2			1	1	4	3	.43	94.09	.67	.816	-.19	1.52
24	ARMANDIA MACULATA		1			1	1	3	3	.32	94.41	.50	.548	-.07	1.07
25	ARICIDEA JEFFREYSII	2				1		3	2	.32	94.74	.50	.837	-.38	1.38
26	NOTOMASTUS CF LATERICEUS						3	3	1	.32	95.06	.50	1.225	-.79	1.79
27	DRILONEREIS MAGNA	2					1	3	2	.32	95.38	.50	.837	-.38	1.38
28	EUDORELLA MONODON	1	1		1			3	3	.32	95.70	.50	.548	-.07	1.07
29	ONUPHIS SPA	2						2	1	.21	95.92	.33	.816	-.52	1.19
30	ARICIDEA TAYLORI		2					2	1	.21	96.13	.33	.816	-.52	1.19
31	LUMBRINERIS TENUIS	1				1		2	2	.21	96.35	.33	.516	-.21	.88
32	CHASMOCARCINUS MISSISSIPPIENSIS		1	1				2	2	.21	96.56	.33	.516	-.21	.88
33	THARYX MARIONI	2						2	1	.21	96.78	.33	.816	-.52	1.19
34	POLYCHAETE SPA	1		1				2	2	.21	96.99	.33	.516	-.21	.88
35	GLYCERA CAPITATA	2						2	1	.21	97.21	.33	.816	-.52	1.19
36	NEREIDAE	2						2	1	.21	97.42	.33	.816	-.52	1.19
37	AEDICIRA BELGICAE			1				1	1	.11	97.53	.17	.408	-.26	.60
38	ASYCHIS ELONGATA						1	1	1	.11	97.64	.17	.408	-.26	.60
39	LISTRIELLA BARNARDI						1	1	1	.11	97.74	.17	.408	-.26	.60
40	OPHIUROIDEA						1	1	1	.11	97.85	.17	.408	-.26	.60
41	DIOPATRA CF NEOTRIDENS		1					1	1	.11	97.96	.17	.408	-.26	.60
42	CAULLERIELLA SPB	1						1	1	.11	98.07	.17	.408	-.26	.60
43	THARYX ANNULOSUS		1					1	1	.11	98.17	.17	.408	-.26	.60
44	PRIONOSPIO CRISTATA				1			1	1	.11	98.28	.17	.408	-.26	.60
45	GONEPLACIDAE				1			1	1	.11	98.39	.17	.408	-.26	.60
46	DIOPATRA CUPREA	1						1	1	.11	98.50	.17	.408	-.26	.60
47	PHYLLODOCE MUCOSA						1	1	1	.11	98.60	.17	.408	-.26	.60
48	ERIOPISA SPB		1					1	1	.11	98.71	.17	.408	-.26	.60
49	SIGAMBRA SP	1						1	1	.11	98.82	.17	.408	-.26	.60
50	ASYCHIS SP						1	1	1	.11	98.93	.17	.408	-.26	.60
51	TRACHYPENAEUS SIMILIS					1		1	1	.11	99.03	.17	.408	-.26	.60
52	OLIGOCHAETA	1						1	1	.11	99.14	.17	.408	-.26	.60
53	GLYCERA SPB					1		1	1	.11	99.25	.17	.408	-.26	.60
54	AMPELISCA CF CRISTATA		1					1	1	.11	99.36	.17	.408	-.26	.60

55	AUTOMATE EVERMANNI					1	1	1	.11	99.46	.17	.408	-.26	.60
56	OPHIOGLYCERA DISTORTA		1				1	1	.11	99.57	.17	.408	-.26	.60
57	PARAONIDES LYRA				1		1	1	.11	99.68	.17	.408	-.26	.60
58	AMPHICTEIS GUNNERI		1				1	1	.11	99.79	.17	.408	-.26	.60
59	MINUSPIO LONGIBRANCHIATA					1	1	1	.11	99.89	.17	.408	-.26	.60
60	DIOPATRA SP				1		1	1	.11	100.00	.17	.408	-.26	.60

NO. OF SPECIES	30	28	21	15	19	29	
NO. OF INDIVIDUALS	129	211	207	63	80	241	931

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	IV	60	931	2.8514	.6350	.1833

STATION 6 TRANSECT IV PERIOD 77SPRING

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	MALDANIDAE	3	4	5	1	16	3	32	6	7.66	7.66	5.33	5.391	-.33	10.99
2	THYASIRA SPA	12		11		4	4	31	4	7.42	15.07	5.17	5.231	-.32	10.66
3	NEMERTINEA	6	3	8	4	4	6	31	6	7.42	22.49	5.17	1.835	3.24	7.09
4	PARAMPHINOME PULCHELLA	5	4		2	4	4	19	5	4.55	27.03	3.17	1.835	1.24	5.09
5	COSSURA DELTA	1	3	3	1	4	2	14	6	3.35	30.38	2.33	1.211	1.06	3.60
6	PARAPRIONOSPIO PINNATA	4	2	4	1	1	1	13	6	3.11	33.49	2.17	1.472	.62	3.71
7	AMPELISCA AGASSIZI		1	8		1	1	11	4	2.63	36.12	1.83	3.061	-1.38	5.05
8	SPIONIDAE		3	1	2	3	2	11	5	2.63	38.76	1.83	1.169	.61	3.06
9	MAGELONA LONGICORNIS		1	2	2	4	1	10	5	2.39	41.15	1.67	1.366	.23	3.10
10	POLYCHAETE SPA	4	3	1			1	9	4	2.15	43.30	1.50	1.643	-.22	3.22
11	XENANTHURA BREVITELSON		1			2	5	8	3	1.91	45.22	1.33	1.966	-.73	3.40
12	THARYX MARIONI			5		3		8	2	1.91	47.13	1.33	2.160	-.93	3.60
13	ASYCHIS SP		4	1	2		1	8	4	1.91	49.04	1.33	1.506	-.25	2.91
14	PARAONIS GRACILIS	2			2	1	2	7	4	1.67	50.72	1.17	.983	.13	2.20
15	APANTHURA MAGNIFICA	2		2		2		6	3	1.44	52.15	1.00	1.095	-.15	2.15
16	AMPHARETIDAE	1		3		1	1	6	4	1.44	53.59	1.00	1.095	-.15	2.15
17	TEREBELLIDES STROEMII		2	2		2		6	3	1.44	55.02	1.00	1.095	-.15	2.15
18	SABELLIDAE		2			3	1	6	3	1.44	56.46	1.00	1.265	-.33	2.33
19	PARAONIS SPA		1	1	1	2	1	6	5	1.44	57.89	1.00	.632	.34	1.66
20	MEDIOMASTUS CALIFORNIENSIS	1	2	1		1		5	4	1.20	59.09	.83	.753	.04	1.62
21	NOTOMASTUS CF LATERICEUS		1	1		3		5	3	1.20	60.29	.83	1.169	-.39	2.06
22	LUMBRINERIS PARVAPEDATA	1		1		2	1	5	4	1.20	61.48	.83	.753	.04	1.62
23	RUTIDERMA SPB		1	2		1		4	3	.96	62.44	.67	.816	-.19	1.52
24	OPHIUROIDEA				2		2	4	2	.96	63.40	.67	1.033	-.42	1.75
25	NEPHTYIDAE	1			1		2	4	3	.96	64.35	.67	.816	-.19	1.52
26	HARBANOS PAUCICHELATUS	2	2					4	2	.96	65.31	.67	1.033	-.42	1.75
27	SPHAEROSYLLIS CF SUBLAEVIS	2	1				1	4	3	.96	66.27	.67	.816	-.19	1.52
28	SPIOPHANES LONGICIRRUS					4		4	1	.96	67.22	.67	1.633	-1.05	2.38
29	NINOE NIGRIPES	1		1		2		4	3	.96	68.18	.67	.816	-.19	1.52
30	SPIOPHANES SP		3	1				4	2	.96	69.14	.67	1.211	-.60	1.94
31	PHORONIDA	1	1	2				4	3	.96	70.10	.67	.816	-.19	1.52
32	SIGAMBRA TENTACULATA	1		2		1		4	3	.96	71.05	.67	.816	-.19	1.52
33	UNCIOLA SERRATA		1	2				3	2	.72	71.77	.50	.837	-.38	1.38
34	ASYCHIS ELONGATA			2		1		3	2	.72	72.49	.50	.837	-.38	1.38
35	AUTOMATE EVERMANNI			1		2		3	2	.72	73.21	.50	.837	-.38	1.38
36	KALLIAPSEUDES SPA			1	1		1	3	3	.72	73.92	.50	.548	-.07	1.07
37	PHYLLODOCE MUCOSA				1	1	1	3	3	.72	74.64	.50	.548	-.07	1.07
38	HETEROSPIO LONGISSIMA		2				1	3	2	.72	75.36	.50	.837	-.38	1.38
39	CORBULA SWIFTIANA		2				1	3	2	.72	76.08	.50	.837	-.38	1.38
40	NUCULA PROXIMA		2					2	1	.48	76.56	.33	.816	-.52	1.19
41	ONUPHIDAE	1		1				2	2	.48	77.03	.33	.516	-.21	.88
42	SPIOPHANES SPA	1	1					2	2	.48	77.51	.33	.516	-.21	.88
43	YOLDIA SOLENOIDES	2						2	1	.48	77.99	.33	.816	-.52	1.19
44	TEREBELLIDAE			1	1			2	2	.48	78.47	.33	.516	-.21	.88
45	PISTA CRISTATA			1			1	2	2	.48	78.95	.33	.516	-.21	.88
46	PARALACYDONIA PARADOXA	1	1					2	2	.48	79.43	.33	.516	-.21	.88
47	MINUSPIO SP	2						2	1	.48	79.90	.33	.816	-.52	1.19
48	CHASMOCARCINUS MISSISSIPPIENSIS			1	1			2	2	.48	80.38	.33	.516	-.21	.88
49	AMPELISCA VERRILLI			2				2	1	.48	80.86	.33	.816	-.52	1.19
50	SIPUNCULA	1		1				2	2	.48	81.34	.33	.516	-.21	.88
51	MARPHYSA SPA	1	1					2	2	.48	81.82	.33	.516	-.21	.88
52	CUMACEAN SPI	1					1	2	2	.48	82.30	.33	.516	-.21	.88
53	CIRROPHORUS LYRIFORMIS				1		1	2	2	.48	82.78	.33	.516	-.21	.88
54	ECHINODERMATA		1				1	2	2	.48	83.25	.33	.516	-.21	.88

55	PALEANOTUS HETEROSETA		1			1			2	2	.48	83.73	.33	.516	-.21	.88
56	OWENIA FUSIFORMIS						2		2	1	.48	84.21	.33	.816	-.52	1.19
57	AGLAOPHAMUS INERMIS		1			1			2	2	.48	84.69	.33	.516	-.21	.88
58	EUDORELLA MONODON						2		2	1	.48	85.17	.33	.816	-.52	1.19
59	ARMANDIA MACULATA	1		1					2	2	.48	85.65	.33	.516	-.21	.88
60	LAONICE CIRRATA				1	1			2	2	.48	86.12	.33	.516	-.21	.88
61	NOTOMASTUS LATERICEUS	1				1			2	2	.48	86.60	.33	.516	-.21	.88
62	NOTOMASTUS CF AMERICANUS	1			1				2	2	.48	87.08	.33	.516	-.21	.88
63	CLYMENELLA TORQUATA		1						1	1	.24	87.32	.17	.408	-.26	.60
64	CALLIANASSA ACANTHOCHIRUS				1				1	1	.24	87.56	.17	.408	-.26	.60
65	LUMBRINERIS CF MAGALHAENSIS	1							1	1	.24	87.80	.17	.408	-.26	.60
66	SCHISTOMERINGOS RUDOLPHI						1		1	1	.24	88.04	.17	.408	-.26	.60
67	ONUPHIS SPA					1			1	1	.24	88.28	.17	.408	-.26	.60
68	PSEUDOPHILOMEDES SPA						1		1	1	.24	88.52	.17	.408	-.26	.60
69	EXOGONE DISPAR	1							1	1	.24	88.76	.17	.408	-.26	.60
70	NEREID(NICON) SPA					1			1	1	.24	89.00	.17	.408	-.26	.60
71	SCUTOPUS SPA					1			1	1	.24	89.23	.17	.408	-.26	.60
72	GLYCERA CAPITATA					1			1	1	.24	89.47	.17	.408	-.26	.60
73	SARSIELLA CF GREYI	1							1	1	.24	89.71	.17	.408	-.26	.60
74	PERIPLOMA ORBICULARE					1			1	1	.24	89.95	.17	.408	-.26	.60
75	ERIOPISA SPB						1		1	1	.24	90.19	.17	.408	-.26	.60
76	CAPRELLID	1							1	1	.24	90.43	.17	.408	-.26	.60
77	NOTOCIRRUS CF SPINIFERUS				1				1	1	.24	90.67	.17	.408	-.26	.60
78	SARSIELLA SPK	1							1	1	.24	90.91	.17	.408	-.26	.60
79	HARBANSUS PAUCICHELATUS						1		1	1	.24	91.15	.17	.408	-.26	.60
80	DENTALIUM SOWERBYI	1							1	1	.24	91.39	.17	.408	-.26	.60
81	SPIOCHAETOPTERUS COSTARUM			1					1	1	.24	91.63	.17	.408	-.26	.60
82	MARPHYSA SPD			1					1	1	.24	91.87	.17	.408	-.26	.60
83	PISTA SP				1				1	1	.24	92.11	.17	.408	-.26	.60
84	ARICIDEA CF FRAGILIS					1			1	1	.24	92.34	.17	.408	-.26	.60
85	GONIADA NORVEGICA						1		1	1	.24	92.58	.17	.408	-.26	.60
86	CAPITELLID SPA	1							1	1	.24	92.82	.17	.408	-.26	.60
87	PARAONIDES LYRA	1							1	1	.24	93.06	.17	.408	-.26	.60
88	NEREID SPB		1						1	1	.24	93.30	.17	.408	-.26	.60
89	PARAONIDAE		1						1	1	.24	93.54	.17	.408	-.26	.60
90	EUNICE SPB				1				1	1	.24	93.78	.17	.408	-.26	.60
91	ONUPHIS NEBULOSA	1							1	1	.24	94.02	.17	.408	-.26	.60
92	GLYCERA SPB	1							1	1	.24	94.26	.17	.408	-.26	.60
93	AUTOMATE SP				1				1	1	.24	94.50	.17	.408	-.26	.60
94	AMPELISCA ABDITA					1			1	1	.24	94.74	.17	.408	-.26	.60
95	PROCESSA HEMPHILLI	1							1	1	.24	94.98	.17	.408	-.26	.60
96	COROPHIUM ASCHERUSICUM	1							1	1	.24	95.22	.17	.408	-.26	.60
97	STHENELAIS BOA	1							1	1	.24	95.45	.17	.408	-.26	.60
98	OSTRACOD SPJJ					1			1	1	.24	95.69	.17	.408	-.26	.60
99	TELLINA VERSICOLOR	1							1	1	.24	95.93	.17	.408	-.26	.60
100	LUMBRINERIS ALBIDENTATA			1					1	1	.24	96.17	.17	.408	-.26	.60
101	HETEROPHOXUS CF OCULATUS	1							1	1	.24	96.41	.17	.408	-.26	.60
102	POLYDORA CF CONCHARUM					1			1	1	.24	96.65	.17	.408	-.26	.60
103	EUCHONE ROSEA						1		1	1	.24	96.89	.17	.408	-.26	.60
104	FABRICIA SPA	1							1	1	.24	97.13	.17	.408	-.26	.60
105	MACOMA TENTA		1						1	1	.24	97.37	.17	.408	-.26	.60
106	ALPHEUS SP				1				1	1	.24	97.61	.17	.408	-.26	.60
107	AMPHILOCHUS SP		1						1	1	.24	97.85	.17	.408	-.26	.60
108	TANAID SPB					1			1	1	.24	98.09	.17	.408	-.26	.60
109	MAGELONA ROSEA				1				1	1	.24	98.33	.17	.408	-.26	.60
110	STERNASPIS SCUTATA			1					1	1	.24	98.56	.17	.408	-.26	.60
111	PECTINARIA GOULDII					1			1	1	.24	98.80	.17	.408	-.26	.60
112	SCOLELEPIS TEXANA					1			1	1	.24	99.04	.17	.408	-.26	.60
113	SPIOPHANES WIGLEYI	1							1	1	.24	99.28	.17	.408	-.26	.60
114	AMPHARETE AMERICANA						1		1	1	.24	99.52	.17	.408	-.26	.60
115	PHYLLODOCIDAE	1							1	1	.24	99.76	.17	.408	-.26	.60
116	PHILINE SAGRA		1						1	1	.24	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	47	37	38	26	43	37									
	NO. OF INDIVIDUALS	81	64	86	35	91	61		418							

STATION 7 TRANSECT IV PERIOD 77SPRING

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 PARAPRIONOSPIO PINNATA	3	3	6	3	14	3	32	6	15.31	15.31	5.33	4.412	.70	9.96
2 THARYX MARIONI		1	6	2	2	4	15	5	7.18	22.49	2.50	2.168	.22	4.78
3 NEMERTINEA			2		11	1	14	3	6.70	29.19	2.33	4.320	-2.20	6.87
4 PARAONIS GRACILIS		2	4	1		2	9	4	4.31	33.49	1.50	1.517	-.09	3.09
5 PARAONIS SPA	1		3	2		1	7	4	3.35	36.84	1.17	1.169	-.06	2.39
6 SIGAMBRA TENTACULATA	1	1		1	3	1	7	5	3.35	40.19	1.17	.983	.13	2.20
7 THYASIRA PYGMAEA	1	2			2	2	7	4	3.35	43.54	1.17	.983	.13	2.20
8 DENTALIUM SOWERBYI			3	2		1	6	3	2.87	46.41	1.00	1.265	-.33	2.33
9 SIPUNCULA	2		3			1	6	3	2.87	49.28	1.00	1.265	-.33	2.33
10 NEPHTYS INCISA			4		1		5	2	2.39	51.67	.83	1.602	-.85	2.51
11 SIERNASPIS SCUTATA			3			2	5	2	2.39	54.07	.83	1.329	-.56	2.23
12 ANCISTROSYLLIS GROENLANDICA	1	3	1				5	3	2.39	56.46	.83	1.169	-.39	2.06
13 PARALACYDONIA PARADOXA		3			1		4	2	1.91	58.37	.67	1.211	-.60	1.94
14 CUSSURA DELTA	1		1		1	1	4	4	1.91	60.29	.67	.516	.12	1.21
15 HETEROPHOXUS CF OCULATUS		2			1		3	2	1.44	61.72	.50	.837	-.38	1.38
16 NINOE NIGRIPES	1		2				3	2	1.44	63.16	.50	.837	-.38	1.38
17 CALIFIA CF CALIDA			1		1	1	3	3	1.44	64.59	.50	.548	-.07	1.07
18 SPIOPHANES LONGICIRRUS		2			1		3	2	1.44	66.03	.50	.837	-.38	1.38
19 AMPELISCA SPA			2		1		3	2	1.44	67.46	.50	.837	-.38	1.38
20 ALTERNOCHELATA SPA			2		1		3	2	1.44	68.90	.50	.837	-.38	1.38
21 PARAONIDES LYRA		3					3	1	1.44	70.33	.50	1.225	-.79	1.79
22 ONUPHIDAE					1	1	2	2	.96	71.29	.33	.516	-.21	.88
23 HARBANUS PAUCICHELATUS		1	1				2	2	.96	72.25	.33	.516	-.21	.88
24 POLYCHAETE SPA	1				1		2	2	.96	73.21	.33	.516	-.21	.88
25 ONUPHIS SPA		1				1	2	2	.96	74.16	.33	.516	-.21	.88
26 AGLAOPHAMUS INERMIS			1	1			2	2	.96	75.12	.33	.516	-.21	.88
27 LUMBRINERIS PARVAPEDATA			1			1	2	2	.96	76.08	.33	.516	-.21	.88
28 BYBLIS CF AFFINIS			1		1		2	2	.96	77.03	.33	.516	-.21	.88
29 OSTRACOD SPAA			1	1			2	2	.96	77.99	.33	.516	-.21	.88
30 NUCULANA ACUTA				2			2	1	.96	78.95	.33	.816	-.52	1.19
31 FALCIDENS SPA				2			2	1	.96	79.90	.33	.816	-.52	1.19
32 AGLAOPHAMUS CIRCINATA					1	1	2	2	.96	80.86	.33	.516	-.21	.88
33 VOLVULELLA TEXASIANA		1			1		2	2	.96	81.82	.33	.516	-.21	.88
34 PILARGIS BERKELYAE			1				1	1	.48	82.30	.17	.408	-.26	.60
35 OPHIODROMUS OBSCURUS		1					1	1	.48	82.78	.17	.408	-.26	.60
36 CAPITELLIDAE		1					1	1	.48	83.25	.17	.408	-.26	.60
37 GLYCERA TESSELATA			1				1	1	.48	83.73	.17	.408	-.26	.60
38 PHILOMEDES SPA		1					1	1	.48	84.21	.17	.408	-.26	.60
39 NASSARIIDAE		1					1	1	.48	84.69	.17	.408	-.26	.60
40 ANTHURID SPH		1					1	1	.48	85.17	.17	.408	-.26	.60
41 AMPHARETE AMERICANA					1		1	1	.48	85.65	.17	.408	-.26	.60
42 ARMANDIA MACULATA	1						1	1	.48	86.12	.17	.408	-.26	.60
43 BRISSOPSIS ALTA		1					1	1	.48	86.60	.17	.408	-.26	.60
44 CAULLERIELLA SPB					1		1	1	.48	87.08	.17	.408	-.26	.60
45 TELLINA VERSICOLOR		1					1	1	.48	87.56	.17	.408	-.26	.60
46 PROCHAETODERMA SPA		1					1	1	.48	88.04	.17	.408	-.26	.60
47 TEREBELLIDES STROEMII						1	1	1	.48	88.52	.17	.408	-.26	.60
48 HIPPOMEDON CF SERRATUS	1						1	1	.48	89.00	.17	.408	-.26	.60
49 POLYNOIDAE		1					1	1	.48	89.47	.17	.408	-.26	.60
50 NEPHTYIDAE		1					1	1	.48	89.95	.17	.408	-.26	.60
51 AEDICIRA BELGICAE				1			1	1	.48	90.43	.17	.408	-.26	.60
52 SABELLIDAE				1			1	1	.48	90.91	.17	.408	-.26	.60
53 LUMBRINERIS SPA					1		1	1	.48	91.39	.17	.408	-.26	.60
54 LUMBRINERIS TENUIS						1	1	1	.48	91.87	.17	.408	-.26	.60

55	STHENOLEPIS CF JAPONICA					1			1	1	.48	92.34	.17	.408	-.26	.60
56	ABRA AEQUALIS			1					1	1	.48	92.82	.17	.408	-.26	.60
57	OSTRACOD SPD				1				1	1	.48	93.30	.17	.408	-.26	.60
58	SPIOCHAETOPTERUS COSTARUM						1		1	1	.48	93.78	.17	.408	-.26	.60
59	HETEROSPIO LONGISSIMA						1		1	1	.48	94.26	.17	.408	-.26	.60
60	GONEPLACIDAE				1				1	1	.48	94.74	.17	.408	-.26	.60
61	CAPRELLID			1					1	1	.48	95.22	.17	.408	-.26	.60
62	ARICIDEA CF TRILOBATA					1			1	1	.48	95.69	.17	.408	-.26	.60
63	CHAETOPTERIDAE	1							1	1	.48	96.17	.17	.408	-.26	.60
64	VARGULA SP			1					1	1	.48	96.65	.17	.408	-.26	.60
65	PRIONOSPIO STEENSTRUPI				1				1	1	.48	97.13	.17	.408	-.26	.60
66	PARAMPHINOME PULCHELLA			1					1	1	.48	97.61	.17	.408	-.26	.60
67	EUDORELLA MONODON			1					1	1	.48	98.09	.17	.408	-.26	.60
68	PHILINE SAGRA			1					1	1	.48	98.56	.17	.408	-.26	.60
69	ANCISTROSYLLIS SP	1							1	1	.48	99.04	.17	.408	-.26	.60
70	GONIADA NORVEGICA	1							1	1	.48	99.52	.17	.408	-.26	.60
71	SPIONIDAE		1						1	1	.48	100.00	.17	.408	-.26	.60

NO. OF SPECIES	14	25	27	15	23	20	
NO. OF INDIVIDUALS	17	37	55	22	50	28	209

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	IV	71	209	5.3309	.9588	.8592

STATION 1 TRANSECT I PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIPUNCULA	46	43	14	23	46	20	192	6	36.50	36.50	32.00	14.574	16.70	47.30
2	PARAPRIONOSPIO PINNATA	7	3	3	24	51	21	109	6	20.72	57.22	18.17	18.465	-1.21	37.55
3	MAGELONA PHYLLISAE		4	17	13	9	17	60	5	11.41	68.63	10.00	6.986	2.67	17.33
4	SIGAMBRA TENTACULATA	5		1	1	8	3	18	5	3.42	72.05	3.00	3.033	-.18	6.18
5	NEMERTINEA		4	1	2	8		15	4	2.85	74.90	2.50	3.082	-.74	5.74
6	POLYCHAETE SPA		14					14	1	2.66	77.57	2.33	5.715	-3.67	8.33
7	ASYCHIS SP	2			3	5	3	13	4	2.47	80.04	2.17	1.941	.13	4.20
8	COSSURA DELTA		1	5	3	1	3	13	5	2.47	82.51	2.17	1.835	.24	4.09
9	NEPHTYS INCISA	1			2	4	1	8	4	1.52	84.03	1.33	1.506	-.25	2.91
10	NUCULANA CONCENTRICA			1	5	2		8	3	1.52	85.55	1.33	1.966	-.73	3.40
11	LUMBRINERIS PARVAPEDATA				1	3	3	7	3	1.33	86.88	1.17	1.472	-.38	2.71
12	MEDIOMASTUS CALIFORNIENSIS		2		1	1	2	6	4	1.14	88.02	1.00	.894	.06	1.94
13	ZOANTHARIA		3			2	1	6	3	1.14	89.16	1.00	1.265	-.33	2.33
14	PARAONIS GRACILIS			1	1	1	2	5	4	.95	90.11	.83	.753	.04	1.62
15	PARAONIDAE		2			2		4	2	.76	90.87	.67	1.033	-.42	1.75
16	LISTRIELLA BARNARDI		1		3			4	2	.76	91.63	.67	1.211	-.60	1.94
17	NINOE NIGRIPES	2			1		1	4	3	.76	92.40	.67	.816	-.19	1.52
18	ASYCHIS ELONGATA				3			3	1	.57	92.97	.50	1.225	-.79	1.79
19	ARMANDIA MACULATA	1			1	1		3	3	.57	93.54	.50	.548	-.07	1.07
20	LUMBRINERIS TENUIS		2		1			3	2	.57	94.11	.50	.837	-.38	1.38
21	NOTOMASTUS CF LATERICEUS				1	1		2	2	.38	94.49	.33	.516	-.21	.88
22	TEREBRA PROTEXTA						2	2	1	.38	94.87	.33	.816	-.52	1.19
23	CORBULA SWIFTIANA		2					2	1	.38	95.25	.33	.816	-.52	1.19
24	SPIONIDAE			1		1		2	2	.38	95.63	.33	.516	-.21	.88
25	SIGAMBRA BASSI			2				2	1	.38	96.01	.33	.816	-.52	1.19
26	RENILLA MULLERI			2				2	1	.38	96.39	.33	.816	-.52	1.19
27	OBELIA SPA			1			1	2	2	.38	96.77	.33	.516	-.21	.88
28	ANCISTROSYLLIS JONESI				1		1	2	2	.38	97.15	.33	.516	-.21	.88
29	ALPHEUS SP					1		1	1	.19	97.34	.17	.408	-.26	.60
30	CABIRA INCERTA	1						1	1	.19	97.53	.17	.408	-.26	.60
31	DIOPATRA CUPREA				1			1	1	.19	97.72	.17	.408	-.26	.60
32	PINNOTHERIDAE				1			1	1	.19	97.91	.17	.408	-.26	.60
33	DRILONEREIS MAGNA					1		1	1	.19	98.10	.17	.408	-.26	.60
34	THARYX ANNULOSUS			1				1	1	.19	98.29	.17	.408	-.26	.60
35	NATICIDAE						1	1	1	.19	98.48	.17	.408	-.26	.60
36	CAPITELLID SPA	1						1	1	.19	98.67	.17	.408	-.26	.60
37	GYPTIS VITTATA		1					1	1	.19	98.86	.17	.408	-.26	.60
38	SIGAMBRA SP		1					1	1	.19	99.05	.17	.408	-.26	.60
39	ANCISTROSYLLIS GROENLANDICA	1						1	1	.19	99.24	.17	.408	-.26	.60
40	AMPELISCA SPB				1			1	1	.19	99.43	.17	.408	-.26	.60
41	NATICA CANRENA				1			1	1	.19	99.62	.17	.408	-.26	.60
42	SIMENOLEPIS CF JAPONICA					1		1	1	.19	99.81	.17	.408	-.26	.60
43	NEREID(NICON) SPA						1	1	1	.19	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	10	14	13	23	20	17								
	NO. OF INDIVIDUALS	67	83	50	94	149	83	526							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	I	43	526	3.3483	.8070	.3488

STATION 2 TRANSECT I PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	ASYCHIS SP	39	54	23	25	66	46	253	6	29.42	29.42	42.17	16.702	24.64	59.70
2	PARAPRIONOSPIO PINNATA	10	42	21	28	24	37	162	6	18.84	48.26	27.00	11.489	14.94	39.06
3	PARAONIS SPA	7	16	12	7	9	23	74	6	8.60	56.86	12.33	6.250	5.77	18.89
4	PARAONIS GRACILIS		8	5	6	8	10	37	5	4.30	61.16	6.17	3.488	2.51	9.83
5	NEPHTYS INCISA	2	6	5	5	4	5	27	6	3.14	64.30	4.50	1.378	3.05	5.95
6	NEMERTINEA	9	5	1	5	1	4	25	6	2.91	67.21	4.17	2.994	1.02	7.31
7	MAGELONA LONGICORNIS	5		6	5	5	4	25	5	2.91	70.12	4.17	2.137	1.92	6.41
8	ASYCHIS ELONGATA	3	2	1		7	11	24	5	2.79	72.91	4.00	4.195	-.40	8.40
9	NEREID(NICON) SPA	1	4	5	1	2	8	21	6	2.44	75.35	3.50	2.739	.63	6.37
10	LUMBRINERIS PARVAPEDATA	1	6	1	3	3	2	16	6	1.86	77.21	2.67	1.862	.71	4.62
11	HYALA SPA		10			1		11	2	1.28	78.49	1.83	4.021	-2.39	6.05
12	PARAONIDAE		1		3	1	4	9	4	1.05	79.53	1.50	1.643	-.22	3.22
13	AMPELISCA VERRILLI	2			2	1	3	8	4	.93	80.47	1.33	1.211	.06	2.60
14	TELLINA VERSICOLOR	1	4	3				8	3	.93	81.40	1.33	1.751	-.50	3.17
15	CORBULA SWIFTIANA			6			2	8	2	.93	82.33	1.33	2.422	-1.21	3.88
16	THARYX MARIONI			3		2	2	7	3	.81	83.14	1.17	1.329	-.23	2.56
17	COSSURA DELTA		1		3	1	2	7	4	.81	83.95	1.17	1.169	-.06	2.39
18	MEDIOMASTUS CALIFORNIENSIS	2	2	1	1			6	4	.70	84.65	1.00	.894	.06	1.94
19	ARMANDIA MACULATA		1		3	1	1	6	4	.70	85.35	1.00	1.095	-.15	2.15
20	SIPUNCULA	5				1		6	2	.70	86.05	1.00	2.000	-1.10	3.10
21	PROCESSA HEMPHILLI		1	1	4			6	3	.70	86.74	1.00	1.549	-.63	2.63
22	MINUSPIO LONGIBRANCHIATA			2	1	1	2	6	4	.70	87.44	1.00	.894	.06	1.94
23	NOTOMASTUS CF LATERICEUS			1		3	2	6	3	.70	88.14	1.00	1.265	-.33	2.33
24	THARYX ANNULOSUS			2	2	1	1	6	4	.70	88.84	1.00	.894	.06	1.94
25	PINNOTHERIDAE	1			2		2	5	3	.58	89.42	.83	.983	-.20	1.87
26	CIRROPHORUS LYRIFORMIS		1		1	2	1	5	4	.58	90.00	.83	.753	.04	1.62
27	LAONICE CIRRATA	1		1		2		4	3	.47	90.47	.67	.816	-.19	1.52
28	SPIONIDAE	1	2			1		4	3	.47	90.93	.67	.816	-.19	1.52
29	SIGAMBRA TENTACULATA	2		1	1			4	3	.47	91.40	.67	.816	-.19	1.52
30	THARYX FILIBRANCHIA					3		3	1	.35	91.74	.50	1.225	-.79	1.79
31	MAGELONA PHYLLISAE		2	1				3	2	.35	92.09	.50	.837	-.38	1.38
32	MINUSPIO SP		3					3	1	.35	92.44	.50	1.225	-.79	1.79
33	AUTOMATE EVERMANNI		1			1	1	3	3	.35	92.79	.50	.548	-.07	1.07
34	DRILONEREIS MAGNA	1			1	1		3	3	.35	93.14	.50	.548	-.07	1.07
35	NEREID SPB			1	1	1		3	3	.35	93.49	.50	.548	-.07	1.07
36	ARICIDEA CF FRAGILIS			1		1	1	3	3	.35	93.84	.50	.548	-.07	1.07
37	NOCULANA ACUTA			1	2			3	2	.35	94.19	.50	.837	-.38	1.38
38	GONEPLACIDAE					1	2	3	2	.35	94.53	.50	.837	-.38	1.38
39	TURBONILLA SP					1	1	2	2	.23	94.77	.33	.516	-.21	.88
40	MAGELONA ROSEA				1	1		2	2	.23	95.00	.33	.516	-.21	.88
41	NOTOMASTUS HEMIPODUS					1	1	2	2	.23	95.23	.33	.516	-.21	.88
42	POLYCHAETE SPA			1			1	2	2	.23	95.47	.33	.516	-.21	.88
43	CIRRATULID-B			1			1	2	2	.23	95.70	.33	.516	-.21	.88
44	NOTOMASTUS LATERICEUS	1				1		2	2	.23	95.93	.33	.516	-.21	.88
45	ARICIDEA CF USCHAKOVI		1			1		2	2	.23	96.16	.33	.516	-.21	.88
46	NINOE NIGRIPES		1		1			2	2	.23	96.40	.33	.516	-.21	.88
47	NOTOMASTUS AMERICANUS		2					2	1	.23	96.63	.33	.816	-.52	1.19
48	KALLIAPSEUDES SPA		1					1	1	.12	96.74	.17	.408	-.26	.60
49	SCHISTOMERINGOS RUDOLPHI				1			1	1	.12	96.86	.17	.408	-.26	.60
50	EUDORELLA MONODON				1			1	1	.12	96.98	.17	.408	-.26	.60
51	VOLVULELLA TEXASIANA						1	1	1	.12	97.09	.17	.408	-.26	.60
52	ANCISTROSYLLIS JONESI				1			1	1	.12	97.21	.17	.408	-.26	.60
53	OPHIOGLYCERA CF DISTORTA		1					1	1	.12	97.33	.17	.408	-.26	.60
54	SIMENELAIS BOA	1						1	1	.12	97.44	.17	.408	-.26	.60

55	PLATYHELMINTHES	1						1	1	.12	97.56	.17	.408	-.26	.60
56	APSEUDES SPA		1					1	1	.12	97.67	.17	.408	-.26	.60
57	MACOMA TENTA				1			1	1	.12	97.79	.17	.408	-.26	.60
58	ALPHEIDAE			1				1	1	.12	97.91	.17	.408	-.26	.60
59	CAULLERIELLA SPA		1					1	1	.12	98.02	.17	.408	-.26	.60
60	PISTA CRISTATA					1		1	1	.12	98.14	.17	.408	-.26	.60
61	GYPTIS VITTATA	1						1	1	.12	98.26	.17	.408	-.26	.60
62	MALACOCEROS VANDERHORSTI					1		1	1	.12	98.37	.17	.408	-.26	.60
63	LUMBRINERIS TENUIS		1					1	1	.12	98.49	.17	.408	-.26	.60
64	NATICIDAE	1						1	1	.12	98.60	.17	.408	-.26	.60
65	ACTINIARIA SPE	1						1	1	.12	98.72	.17	.408	-.26	.60
66	CIRRATULIDAE	1						1	1	.12	98.84	.17	.408	-.26	.60
67	CERATONEREIS IRRITABILIS		1					1	1	.12	98.95	.17	.408	-.26	.60
68	LISTRIELLA HARNARDI		1					1	1	.12	99.07	.17	.408	-.26	.60
69	POECILOCHAETUS JOHNSONI		1					1	1	.12	99.19	.17	.408	-.26	.60
70	ARICIDEA FINITIMA					1		1	1	.12	99.30	.17	.408	-.26	.60
71	PSEUDEURYTHOE AMBIGUA			1				1	1	.12	99.42	.17	.408	-.26	.60
72	AEDICIRA HELGICAE					1		1	1	.12	99.53	.17	.408	-.26	.60
73	CHAETOPTERIDAE	1						1	1	.12	99.65	.17	.408	-.26	.60
74	OPHIUROIDEA	1						1	1	.12	99.77	.17	.408	-.26	.60
75	ALPHEUS SP	1						1	1	.12	99.88	.17	.408	-.26	.60
76	SPIOPHANES SP	1						1	1	.12	100.00	.17	.408	-.26	.60

NO. OF SPECIES	21	34	32	30	35	33
NO. OF INDIVIDUALS	96	186	113	119	161	185	860

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	I	76	860	4.0778	.8640	.3421

STATION 3 TRANSECT 1 PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIPUNCULA	10	7	6	5	6	3	37	6	15.61	15.61	6.17	2.317	3.74	8.60
2	SIGAMBRA TENTACULATA	3		3	1		7	14	4	5.91	21.52	2.33	2.658	-.46	5.12
3	THARYX MARIONI		3			3	6	12	3	5.06	26.58	2.00	2.449	-.57	4.57
4	PARAONIS GRACILIS		4	2	1		2	9	4	3.80	30.38	1.50	1.517	-.09	3.09
5	NEMERTINEA	2		3			3	8	3	3.38	33.76	1.33	1.506	-.25	2.91
6	ERTOPISA INCISA						7	7	1	2.95	36.71	1.17	2.858	-1.83	4.17
7	COSSURA DELIA	1	1	4			1	7	4	2.95	39.66	1.17	1.472	-.38	2.71
8	PARALACYDONIA PARADOXA	1		2	1	1	1	6	5	2.53	42.19	1.00	.632	.34	1.66
9	THARYX ANNULOSUS	2				1	3	6	3	2.53	44.73	1.00	1.265	-.33	2.33
10	NINOE NIGRIPES			2			3	5	2	2.11	46.84	.83	1.329	-.56	2.23
11	PARAPRIONOSPIO PINNATA	1	1			1	2	5	4	2.11	48.95	.83	.753	.04	1.62
12	GLYCERA TESSELATA			3		1	1	5	3	2.11	51.05	.83	1.169	-.39	2.06
13	SYLLIS SPC		1	2		1	1	5	4	2.11	53.16	.83	.753	.04	1.62
14	VOLVOLELLA TEXASIANA			1		3	1	5	3	2.11	55.27	.83	1.169	-.39	2.06
15	SPIONIDAE			1			3	4	2	1.69	56.96	.67	1.211	-.60	1.94
16	ALTERNOCHELATA SPA			1		1	2	4	3	1.69	58.65	.67	.816	-.19	1.52
17	TANAID SPA			1		2	1	4	3	1.69	60.34	.67	.816	-.19	1.52
18	OLIGOCHAETA	4						4	1	1.69	62.03	.67	1.633	-1.05	2.38
19	OPHIUROIDEA	1	1	1			1	4	4	1.69	63.71	.67	.516	.12	1.21
20	SARSIELLA CF GREYI		1			2	1	4	3	1.69	65.40	.67	.816	-.19	1.52
21	XENANTHURA BREVITELSON		1	1		2		4	3	1.69	67.09	.67	.816	-.19	1.52
22	BRYOZOA	1		1			1	3	3	1.27	68.35	.50	.548	-.07	1.07
23	DENTALIUM SOWERBYI						3	3	1	1.27	69.62	.50	1.225	-.79	1.79
24	PITAR CORDATUS	1					2	3	2	1.27	70.89	.50	.837	-.38	1.38
25	AMYGDALUM PAPYRIUM	1	1		1			3	3	1.27	72.15	.50	.548	-.07	1.07
26	NEPHTYIDAE			1		1	1	3	3	1.27	73.42	.50	.548	-.07	1.07
27	LUMBRINERIS PARVAPEDATA		1			1	1	3	3	1.27	74.68	.50	.548	-.07	1.07
28	AMPHARETIDAE	2	1					3	2	1.27	75.95	.50	.837	-.38	1.38
29	AMPELISCA SPA			1			2	3	2	1.27	77.22	.50	.837	-.38	1.38
30	PARAONIS SPA	1	1			1		3	3	1.27	78.48	.50	.548	-.07	1.07
31	PHILOMEDES SPA			2		1		3	2	1.27	79.75	.50	.837	-.38	1.38
32	STERNASPIS SCUTATA		1	1		1		3	3	1.27	81.01	.50	.548	-.07	1.07
33	HETEROPHOXUS CF OCULATUS				1	1	1	3	3	1.27	82.28	.50	.548	-.07	1.07
34	SCUTOPUS SPA		1			1		2	2	.84	83.12	.33	.516	-.21	.88
35	POECILOCHAETUS JOHNSONI			1	1			2	2	.84	83.97	.33	.516	-.21	.88
36	THYASIRA PYGMAEA	1					1	2	2	.84	84.81	.33	.516	-.21	.88
37	VERTICORDIA ORNATA		1			1		2	2	.84	85.65	.33	.516	-.21	.88
38	AGLAOPHAMUS CIRCINATA	1				1		2	2	.84	86.50	.33	.516	-.21	.88
39	NUCULANA ACUTA			1			1	2	2	.84	87.34	.33	.516	-.21	.88
40	DIPLOCIRRUS SP						2	2	1	.84	88.19	.33	.816	-.52	1.19
41	ARMANDIA MACULATA			1		1		2	2	.84	89.03	.33	.516	-.21	.88
42	BYBLIS CF AFFINIS	1			1			2	2	.84	89.87	.33	.516	-.21	.88
43	MALDANIDAE				1			1	1	.42	90.30	.17	.408	-.26	.60
44	CUMACEAN SPE					1		1	1	.42	90.72	.17	.408	-.26	.60
45	EUPANTHALIS KINBERGI			1				1	1	.42	91.14	.17	.408	-.26	.60
46	GYPTIS VITTATA						1	1	1	.42	91.56	.17	.408	-.26	.60
47	CUMACEAN			1				1	1	.42	91.98	.17	.408	-.26	.60
48	NEPHTYS INCISA					1		1	1	.42	92.41	.17	.408	-.26	.60
49	OBELIA SPA					1		1	1	.42	92.83	.17	.408	-.26	.60
50	SILYONIA DORSALIS					1		1	1	.42	93.25	.17	.408	-.26	.60
51	ONUPHIDAE			1				1	1	.42	93.67	.17	.408	-.26	.60
52	VENERIDAE			1				1	1	.42	94.09	.17	.408	-.26	.60
53	SABELLIDAE	1						1	1	.42	94.51	.17	.408	-.26	.60
54	AMPHARETE ACUTIFRONS		1					1	1	.42	94.94	.17	.408	-.26	.60

55	EXOGONE SP	1						1	1	.42	95.36	.17	.408	-.26	.60
56	PRIONOSPIO STEENSTRUPI			1				1	1	.42	95.78	.17	.408	-.26	.60
57	TEREBELLIDES STROEMII			1				1	1	.42	96.20	.17	.408	-.26	.60
58	SPIOCHAETOPTERUS COSTARUM						1	1	1	.42	96.62	.17	.408	-.26	.60
59	CALASTACUS OXYPLEURA			1				1	1	.42	97.05	.17	.408	-.26	.60
60	POLYCHAETE SPA			1				1	1	.42	97.47	.17	.408	-.26	.60
61	MAGELONA PETTIBONEAE		1					1	1	.42	97.89	.17	.408	-.26	.60
62	SANGUINOLARIA SANGUINOLENTA			1				1	1	.42	98.31	.17	.408	-.26	.60
63	EUCHONE ROSEA		1					1	1	.42	98.73	.17	.408	-.26	.60
64	SCAPHANDER WATSONI						1	1	1	.42	99.16	.17	.408	-.26	.60
65	SPIOPHANES WIGLEYI						1	1	1	.42	99.58	.17	.408	-.26	.60
66	HYDROZOA	1						1	1	.42	100.00	.17	.408	-.26	.60

NO. OF SPECIES	20	19	32	9	26	33
NO. OF INDIVIDUALS	37	30	51	13	38	68	237

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	I	66	237	5.3616	.9608	.9545

STATION 4 TRANSECT I PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIPUNCULA	48	34	193	114	152	39	580	6	27.06	27.06	96.67	66.728	26.63	166.71
2	MAGELONA PHYLLISAE		79	131	94	115	132	551	5	25.71	52.78	91.83	49.572	39.80	143.86
3	PARAPRIONOSPIO PINNATA	50	29	35	50	33	35	232	6	10.83	63.60	38.67	9.048	29.17	48.16
4	LUMBRINERIS PARVAPEDATA	19	33	35	38	10	31	166	6	7.75	71.35	27.67	10.838	16.29	39.04
5	MAGELONA LONGICORNIS	95						95	1	4.43	75.78	15.83	38.784	-24.87	56.54
6	MEDIOMASTUS CALIFORNIENSIS	8	3	19	16	2	30	78	6	3.64	79.42	13.00	10.770	1.70	24.30
7	NEMERTINEA	5	9	7	16	9	26	72	6	3.36	82.78	12.00	7.797	3.82	20.18
8	NEREID(NICON) SPA	5	7	5	6	7	9	39	6	1.82	84.60	6.50	1.517	4.91	8.09
9	NINOE NIGRIPES	6	5	8	9	2	2	32	6	1.49	86.09	5.33	2.944	2.24	8.42
10	PARAONIS GRACILIS	1	3	3	2	5	9	23	6	1.07	87.17	3.83	2.858	.83	6.83
11	ASYCHIS SP	1	1	6	3	7	1	19	6	.89	88.05	3.17	2.714	.32	6.02
12	LUMBRINERIS TENUIS	2	3	6		4	2	17	5	.79	88.85	2.83	2.041	.69	4.98
13	MAGELONA ROSEA	5	2	2	2	4		15	5	.70	89.55	2.50	1.761	.65	4.35
14	ARICIDEA CF FRAGILIS	2	3	1	3	2	4	15	6	.70	90.25	2.50	1.049	1.40	3.60
15	OPHIUROIDEA	1	1		7		6	15	4	.70	90.95	2.50	3.146	-.80	5.80
16	SIGAMBRA TENTACULATA	2	2		2	6	2	14	5	.65	91.60	2.33	1.966	.27	4.40
17	COSSURA DELTA	1		3	2	3	2	11	5	.51	92.11	1.83	1.169	.61	3.06
18	MALDANIDAE	1	3	2	1	3	1	11	6	.51	92.63	1.83	.983	.80	2.87
19	NUCULANA CONCENTRICA		5	4			1	10	3	.47	93.09	1.67	2.251	-.70	4.03
20	ARICIDEA TAYLORI	2	2		2	1	2	9	5	.42	93.51	1.50	.837	.62	2.38
21	PARAONIDAE	1		4	2	2		9	4	.42	93.93	1.50	1.517	-.09	3.09
22	SPIONIDAE			9				9	1	.42	94.35	1.50	3.674	-2.36	5.36
23	POLYCHAETE SPA	3	2	1			1	7	4	.33	94.68	1.17	1.169	-.06	2.39
24	SCOLOPLOS RUBRA	1		3			2	6	3	.28	94.96	1.00	1.265	-.33	2.33
25	GLYCERA AMERICANA	2		3	1			6	3	.28	95.24	1.00	1.265	-.33	2.33
26	PINNOTHERIDAE	1	2	1	1		1	6	5	.28	95.52	1.00	.632	.34	1.66
27	CORBULA SWIFTIANA	1		1		2	2	6	4	.28	95.80	1.00	.894	.06	1.94
28	NUCULANA ACUTA	2				1	3	6	3	.28	96.08	1.00	1.265	-.33	2.33
29	GYPTIS VITTATA		1	1			3	5	3	.23	96.31	.83	1.169	-.39	2.06
30	MAGELONA PETTIBONEAE		2				2	4	2	.19	96.50	.67	1.033	-.42	1.75
31	CABIRA INCERTA			1			3	4	2	.19	96.69	.67	1.211	-.60	1.94
32	CIRROPHORUS LYRIFORMIS				2	2		4	2	.19	96.87	.67	1.033	-.42	1.75
33	TURBONILLA PORTORICANA	2					1	3	2	.14	97.01	.50	.837	-.38	1.38
34	TELLINA VERSICOLOR	1		1			1	3	3	.14	97.15	.50	.548	-.07	1.07
35	AGLAOPHAMUS CIRCINATA		1				2	3	2	.14	97.29	.50	.837	-.38	1.38
36	THARYX MARIONI		2		1			3	2	.14	97.43	.50	.837	-.38	1.38
37	GATTYANA NUTTI	1				1	1	3	3	.14	97.57	.50	.548	-.07	1.07
38	RENILLA MULLERI	1		1			1	3	3	.14	97.71	.50	.548	-.07	1.07
39	ANCISTROSYLLIS PAPILLOSA	1	1				1	3	3	.14	97.85	.50	.548	-.07	1.07
40	PARAONIDES LYRA		1	1				2	2	.09	97.95	.33	.516	-.21	.88
41	AGLAOPHAMUS VERRILLI		1			1		2	2	.09	98.04	.33	.516	-.21	.88
42	AMPHARETE AMERICANA						2	2	1	.09	98.13	.33	.816	-.52	1.19
43	LUCINA AMIANTUS		2					2	1	.09	98.23	.33	.816	-.52	1.19
44	ABRA AEQUALIS		1				1	2	2	.09	98.32	.33	.516	-.21	.88
45	NATICA CANRENA		1				1	2	2	.09	98.41	.33	.516	-.21	.88
46	SIMENELAIS BOA			1	1			2	2	.09	98.51	.33	.516	-.21	.88
47	DIOPATRA CUPREA			1	1			2	2	.09	98.60	.33	.516	-.21	.88
48	AMPELISCA AGASSIZI			1	1			2	2	.09	98.69	.33	.516	-.21	.88
49	OXYUROSTYLIS SP			1			1	2	2	.09	98.79	.33	.516	-.21	.88
50	CORDPHIUM ASCHERUSICUM						1	1	1	.05	98.83	.17	.408	-.26	.60
51	SABELLIDAE						1	1	1	.05	98.88	.17	.408	-.26	.60
52	NOETIA PONDEROSA				1			1	1	.05	98.93	.17	.408	-.26	.60
53	PERSEPHONA CRINITA				1			1	1	.05	98.97	.17	.408	-.26	.60
54	SQUILLA SP				1			1	1	.05	99.02	.17	.408	-.26	.60

55	SIGALIONIDAE		1						1	1	.05	99.07	.17	.408	-.26	.60
56	STHENOLEPIS CF JAPONICA					1			1	1	.05	99.11	.17	.408	-.26	.60
57	AEDICIRA BELGICAE				1				1	1	.05	99.16	.17	.408	-.26	.60
58	HYDROZOA							1	1	1	.05	99.21	.17	.408	-.26	.60
59	OPHIODROMUS OBSCURUS				1				1	1	.05	99.25	.17	.408	-.26	.60
60	NEPHTYS PICTA			1					1	1	.05	99.30	.17	.408	-.26	.60
61	NEREID SP8			1					1	1	.05	99.35	.17	.408	-.26	.60
62	OBELIA SPA							1	1	1	.05	99.39	.17	.408	-.26	.60
63	MINUSPIO CIRRIFERA							1	1	1	.05	99.44	.17	.408	-.26	.60
64	SPIOCHAETOPTERUS COSTARUM							1	1	1	.05	99.49	.17	.408	-.26	.60
65	CALAPPIDAE				1				1	1	.05	99.53	.17	.408	-.26	.60
66	SICYONIA DORSALIS	1							1	1	.05	99.58	.17	.408	-.26	.60
67	SCHISTOMERINGOS RUDOLPHI	1							1	1	.05	99.63	.17	.408	-.26	.60
68	ARICIDEA JEFFREYSII					1			1	1	.05	99.67	.17	.408	-.26	.60
69	POLYCHAETA							1	1	1	.05	99.72	.17	.408	-.26	.60
70	ACETES AMERICANA				1				1	1	.05	99.77	.17	.408	-.26	.60
71	ANCISTROSYLLIS JONESI	1							1	1	.05	99.81	.17	.408	-.26	.60
72	MAJIDAE							1	1	1	.05	99.86	.17	.408	-.26	.60
73	DIOPATRA CF NEOTRIDENS					1			1	1	.05	99.91	.17	.408	-.26	.60
74	NEPHTYIDAE			1					1	1	.05	99.95	.17	.408	-.26	.60
75	ZOANTHARIA					1			1	1	.05	100.00	.17	.408	-.26	.60

NO. OF SPECIES	33	31	35	32	27	44	
NO. OF INDIVIDUALS	274	242	494	384	378	371	2143

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	75	2143	3.5220	.8377	.2267

STATION 5 TRANSECT I PERIOD 77FALL

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 PITAR CORDATUS	3	1	4	3	8	10	29	6	11.79	11.79	4.83	3.430	1.23	8.43
2 PARAONIS SPA	2	11	2	3	1	10	29	6	11.79	23.58	4.83	4.446	.17	9.50
3 NEPHTYS INCISA	3	4	1	2	3	2	15	6	6.10	29.67	2.50	1.049	1.40	3.60
4 PARAONIS GRACILIS	1	7	3	2	2		15	5	6.10	35.77	2.50	2.429	-.05	5.05
5 SIGAMBRA TENTACULATA		4	2	1	2	3	12	5	4.88	40.65	2.00	1.414	.52	3.48
6 NEMERTINEA	4	2	2	2	1		11	5	4.47	45.12	1.83	1.329	.44	3.23
7 COSSURA DELTA	2	2			2	3	9	4	3.66	48.78	1.50	1.225	.21	2.79
8 SCOLOPOS SPA	2	4					6	2	2.44	51.22	1.00	1.673	-.76	2.76
9 SIPUNCULA		4			2		6	2	2.44	53.66	1.00	1.673	-.76	2.76
10 LUMBRINERIS PARVAPEDATA	1	2				2	5	3	2.03	55.69	.83	.983	-.20	1.87
11 PARAPRIONOSPIO PINNATA			1	1	3		5	3	2.03	57.72	.83	1.169	-.39	2.06
12 VOLVULELLA TEXASIANA			1	1	2	1	5	4	2.03	59.76	.83	.753	.04	1.62
13 TELLINA VERSICOLOR	2	1			1		4	3	1.63	61.38	.67	.816	-.19	1.52
14 OPHIUROIDEA	1	1				2	4	3	1.63	63.01	.67	.816	-.19	1.52
15 HIPPOMEDON CF SERRATUS		1			2	1	4	3	1.63	64.63	.67	.816	-.19	1.52
16 SOLEMYA SPA		1	1			1	3	3	1.22	65.85	.50	.548	-.07	1.07
17 THARYX MARIONI			1	1	1		3	3	1.22	67.07	.50	.548	-.07	1.07
18 MEGALOMMA CF QUADRIOCULATUM			3				3	1	1.22	68.29	.50	1.225	-.79	1.79
19 STERNASPIS SCUTATA	1	1	1				3	3	1.22	69.51	.50	.548	-.07	1.07
20 MAGELONA LONGICORNIS				1	1	1	3	3	1.22	70.73	.50	.548	-.07	1.07
21 EXOGONE DISPAR				2		1	3	2	1.22	71.95	.50	.837	-.38	1.38
22 DENTALIUM SP				1	2		3	2	1.22	73.17	.50	.837	-.38	1.38
23 AMPELISCA SPA	1				1	1	3	3	1.22	74.39	.50	.548	-.07	1.07
24 VARICORBULA DISPARILIS		1			1		2	2	.81	75.20	.33	.516	-.21	.88
25 NEPHTYIDAE					1	1	2	2	.81	76.02	.33	.516	-.21	.88
26 GLOTTIDIA PYRAMIDATA		2					2	1	.81	76.83	.33	.816	-.52	1.19
27 ASYCHIS ELONGATA			1			1	2	2	.81	77.64	.33	.516	-.21	.88
28 MARBANSUS PAUCICHELATUS						2	2	1	.81	78.46	.33	.816	-.52	1.19
29 CALIFIA CF CALIDA			2				2	1	.81	79.27	.33	.816	-.52	1.19
30 THARYX ANNULOSUS		1	1				2	2	.81	80.08	.33	.516	-.21	.88
31 PARAONIDAE	1				1		2	2	.81	80.89	.33	.516	-.21	.88
32 MALDANIDAE	2						2	1	.81	81.71	.33	.816	-.52	1.19
33 BYBLIS CF AFFINIS		1			1		2	2	.81	82.52	.33	.516	-.21	.88
34 AMPHARETE AMERICANA			1				1	1	.41	82.93	.17	.408	-.26	.60
35 EUPANTHALIS KINBERGI			1				1	1	.41	83.33	.17	.408	-.26	.60
36 POLYODONTES LUPINA			1				1	1	.41	83.74	.17	.408	-.26	.60
37 SCOLELEPIS TEXANA			1				1	1	.41	84.15	.17	.408	-.26	.60
38 MARPHYSA SPO	1						1	1	.41	84.55	.17	.408	-.26	.60
39 CRASSINELLA MARTINICENSIS					1		1	1	.41	84.96	.17	.408	-.26	.60
40 ARMANDIA MACULATA						1	1	1	.41	85.37	.17	.408	-.26	.60
41 NINOE NIGRIPES					1		1	1	.41	85.77	.17	.408	-.26	.60
42 GONIADA NORVEGICA			1				1	1	.41	86.18	.17	.408	-.26	.60
43 LUMBRINERIS ALBIDENTATA	1						1	1	.41	86.59	.17	.408	-.26	.60
44 CUMACEAN SPE					1		1	1	.41	86.99	.17	.408	-.26	.60
45 EUCHONE ROSEA					1		1	1	.41	87.40	.17	.408	-.26	.60
46 OSTRACOD SPO	1						1	1	.41	87.80	.17	.408	-.26	.60
47 NUCULANA ACUTA		1					1	1	.41	88.21	.17	.408	-.26	.60
48 AMYGDALUM PAPYRIUM						1	1	1	.41	88.62	.17	.408	-.26	.60
49 AMPELISCA VERRILLI		1					1	1	.41	89.02	.17	.408	-.26	.60
50 SPHAEROSYLLIS CF SUBLAEVIS						1	1	1	.41	89.43	.17	.408	-.26	.60
51 SPIOPHANES LONGICIRRUS					1		1	1	.41	89.84	.17	.408	-.26	.60
52 SPIONIDAE		1					1	1	.41	90.24	.17	.408	-.26	.60
53 LUMBRIGERIS SP	1						1	1	.41	90.65	.17	.408	-.26	.60
54 MAGELONA PHYLLISAE		1					1	1	.41	91.06	.17	.408	-.26	.60

55	PALEANOTUS HETEROSETA						1	1	1	.41	91.46	.17	.408	-.26	.60
56	CALASTACUS OXYPLEURA					1		1	1	.41	91.87	.17	.408	-.26	.60
57	ONUPHIDAE			1				1	1	.41	92.28	.17	.408	-.26	.60
58	SPHAERODORIDIUM CLAPAREDII						1	1	1	.41	92.68	.17	.408	-.26	.60
59	STHENOLEPIS CF JAPONICA					1		1	1	.41	93.09	.17	.408	-.26	.60
60	STHENELAIS BOA				1			1	1	.41	93.50	.17	.408	-.26	.60
61	PRIONOSPIO STEENSTRUPI					1		1	1	.41	93.90	.17	.408	-.26	.60
62	TEREBELLIDES STROEMII					1		1	1	.41	94.31	.17	.408	-.26	.60
63	FLABELLIGERIDAE					1		1	1	.41	94.72	.17	.408	-.26	.60
64	NATICIDAE			1				1	1	.41	95.12	.17	.408	-.26	.60
65	NOTOMASTUS LATERICEUS					1		1	1	.41	95.53	.17	.408	-.26	.60
66	SABELLIDAE	1						1	1	.41	95.93	.17	.408	-.26	.60
67	MEDIOMASTUS CALIFORNIENSIS			1				1	1	.41	96.34	.17	.408	-.26	.60
68	LUMBRINERIS TENUIS					1		1	1	.41	96.75	.17	.408	-.26	.60
69	POTAMILLA RENIFORMIS				1			1	1	.41	97.15	.17	.408	-.26	.60
70	OBELIA SPA			1				1	1	.41	97.56	.17	.408	-.26	.60
71	EUDORELLA MONODON						1	1	1	.41	97.97	.17	.408	-.26	.60
72	MARPHYSA SPA				1			1	1	.41	98.37	.17	.408	-.26	.60
73	THYASIRA SPA			1				1	1	.41	98.78	.17	.408	-.26	.60
74	CHLOEIA VIRIDIS				1			1	1	.41	99.19	.17	.408	-.26	.60
75	HYALA SPA			1				1	1	.41	99.59	.17	.408	-.26	.60
76	CORBULA SWIFTIANA			1				1	1	.41	100.00	.17	.408	-.26	.60

NO. OF SPECIES	19	26	24	16	32	22	
NO. OF INDIVIDUALS	31	58	35	24	50	48	246

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	I	76	246	5.2827	.9572	.7763

STATION 6 TRANSECT 1 PERIOD 77FALL

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 SIPUNCULA	11	6	6	24	6	5	58	6	20.42	20.42	9.67	7.339	1.96	17.37
2 PARAONIS GRACILIS	3		2	5	2	3	15	5	5.28	25.70	2.50	1.643	.78	4.22
3 THARYX MARIONI	1			1		12	14	3	4.93	30.63	2.33	4.761	-2.66	7.33
4 DENTALIUM SOWERBYI	1		4		7		12	3	4.23	34.86	2.00	2.898	-1.04	5.04
5 COSSURA DELTA	3	2	1	2	3		11	5	3.87	38.73	1.83	1.169	.61	3.06
6 NEMERTINEA	6	3		1	1		11	4	3.87	42.61	1.83	2.317	-.60	4.26
7 PARALACYDONIA PARADOXA	1		3	1	3	3	11	5	3.87	46.48	1.83	1.329	.44	3.23
8 PITAR CORDATUS					6	3	9	2	3.17	49.65	1.50	2.510	-1.13	4.13
9 THARYX ANNULOSUS			1	1		6	8	3	2.82	52.46	1.33	2.338	-1.12	3.79
10 ALTERNOCHELATA SPA	1	1	2	1	2		7	5	2.46	54.93	1.17	.753	.38	1.96
11 SIGAMBRA TENTACULATA	3	1	1			1	6	4	2.11	57.04	1.00	1.095	-.15	2.15
12 ARMANDIA MACULATA	3			1	1		5	3	1.76	58.80	.83	1.169	-.39	2.06
13 PARAPRIONOSPIO PINNATA					5		5	1	1.76	60.56	.83	2.041	-1.31	2.98
14 PHORONIDA					2	3	5	2	1.76	62.32	.83	1.329	-.56	2.23
15 ONUPHIS SPA			1	1	1	1	4	4	1.41	63.73	.67	.516	.12	1.21
16 TEREBELLIDES STROEMII	1			1	2		4	3	1.41	65.14	.67	.816	-.19	1.52
17 AMPHARETIDAE				1	1	2	4	3	1.41	66.55	.67	.816	-.19	1.52
18 SCUTOPUS SPA	1				3		4	2	1.41	67.96	.67	1.211	-.60	1.94
19 AMYGDALUM PAPYRIUM					3		3	1	1.06	69.01	.50	1.225	-.79	1.79
20 GNATHIA SP	1		2				3	2	1.06	70.07	.50	.837	-.38	1.38
21 THYASIRA SPA	1			1	1		3	3	1.06	71.13	.50	.548	-.07	1.07
22 SOLEMYA SPA	2				1		3	2	1.06	72.18	.50	.837	-.38	1.38
23 POLYCHAETE SPA				1		2	3	2	1.06	73.24	.50	.837	-.38	1.38
24 GYPTIS VITTATA					3		3	1	1.06	74.30	.50	1.225	-.79	1.79
25 NEPHTYS INCISA			1	1	1		3	3	1.06	75.35	.50	.548	-.07	1.07
26 PARAONIDAE	1	1					2	2	.70	76.06	.33	.516	-.21	.88
27 NEPHTYIDAE	1					1	2	2	.70	76.76	.33	.516	-.21	.88
28 OPHIUROIDEA					2		2	1	.70	77.46	.33	.816	-.52	1.19
29 STERNASPIS SCUTATA			1		1		2	2	.70	78.17	.33	.516	-.21	.88
30 SPIOPHANES WIGLEYI					1	1	2	2	.70	78.87	.33	.516	-.21	.88
31 GLYCERA TESSELATA	1		1				2	2	.70	79.58	.33	.516	-.21	.88
32 VOLVULELLA TEXASIANA			1			1	2	2	.70	80.28	.33	.516	-.21	.88
33 AMPELISCA SPA						2	2	1	.70	80.99	.33	.816	-.52	1.19
34 ONUPHIDAE				1	1		2	2	.70	81.69	.33	.516	-.21	.88
35 TELLINA VERSICOLOR	1				1		2	2	.70	82.39	.33	.516	-.21	.88
36 ONUPHIS SPA		1			1		2	2	.70	83.10	.33	.516	-.21	.88
37 SAPELLIDAE	2						2	1	.70	83.80	.33	.816	-.52	1.19
38 PARAMPHINOME PULCHELLA				1			1	1	.35	84.15	.17	.408	-.26	.60
39 CIRRATULIDAE	1						1	1	.35	84.51	.17	.408	-.26	.60
40 UDCIDLA SERRATA					1		1	1	.35	84.86	.17	.408	-.26	.60
41 PRIONOSPIO STEENSTRUPI					1		1	1	.35	85.21	.17	.408	-.26	.60
42 SAMYTHELLA ELIASONI				1			1	1	.35	85.56	.17	.408	-.26	.60
43 LUMBRINERIS PARVAPEDATA				1			1	1	.35	85.92	.17	.408	-.26	.60
44 SIGAMBRA BASSI		1					1	1	.35	86.27	.17	.408	-.26	.60
45 SYLLIS SPA					1		1	1	.35	86.62	.17	.408	-.26	.60
46 EPITONIUM NOVANGLIAE			1				1	1	.35	86.97	.17	.408	-.26	.60
47 TURRIDAE			1				1	1	.35	87.32	.17	.408	-.26	.60
48 CHAETOZONE GAYHEADIA						1	1	1	.35	87.68	.17	.408	-.26	.60
49 CORBULA SWIFTIANA					1		1	1	.35	88.03	.17	.408	-.26	.60
50 CAPITELLIDAE			1				1	1	.35	88.38	.17	.408	-.26	.60
51 SYLLIS SPC	1						1	1	.35	88.73	.17	.408	-.26	.60
52 MAGELONIDAE			1				1	1	.35	89.08	.17	.408	-.26	.60
53 PHYLLODOCE MUCOSA			1				1	1	.35	89.44	.17	.408	-.26	.60
54 CHLOEIA VIRIDIS					1		1	1	.35	89.79	.17	.408	-.26	.60

55	GONIADA MACULATA					1			1	1	.35	90.14	.17	.408	-.26	.60
56	PILARGIIDAE	1							1	1	.35	90.49	.17	.408	-.26	.60
57	EUPANTHALIS KINBERGI							1	1	1	.35	90.85	.17	.408	-.26	.60
58	NEREIS SPA			1					1	1	.35	91.20	.17	.408	-.26	.60
59	EULIMA BIFASCIATA	1							1	1	.35	91.55	.17	.408	-.26	.60
60	MEGALOMMA CF QUADRIOCULATUM							1	1	1	.35	91.90	.17	.408	-.26	.60
61	CUMACEAN							1	1	1	.35	92.25	.17	.408	-.26	.60
62	NUCULANA ACUTA				1				1	1	.35	92.61	.17	.408	-.26	.60
63	SPIOPHANES LONGICIRRUS					1			1	1	.35	92.96	.17	.408	-.26	.60
64	LEPIOSTYLIS SP					1			1	1	.35	93.31	.17	.408	-.26	.60
65	TEREBELLIDAE					1			1	1	.35	93.66	.17	.408	-.26	.60
66	POLYCIRRUS SPA							1	1	1	.35	94.01	.17	.408	-.26	.60
67	HYALA SPA					1			1	1	.35	94.37	.17	.408	-.26	.60
68	NINOE NIGRIPES				1				1	1	.35	94.72	.17	.408	-.26	.60
69	GYBLIS CF AFFINIS	1							1	1	.35	95.07	.17	.408	-.26	.60
70	SPHAERODORIDIUM CLAPAREDII					1			1	1	.35	95.42	.17	.408	-.26	.60
71	NAIICA CANRENA					1			1	1	.35	95.77	.17	.408	-.26	.60
72	ANCISTROSYLLIS GROENLANDICA	1							1	1	.35	96.13	.17	.408	-.26	.60
73	SPIONIDAE							1	1	1	.35	96.48	.17	.408	-.26	.60
74	AMPHORID SPH				1				1	1	.35	96.83	.17	.408	-.26	.60
75	NOTOMASTUS AMERICANUS					1			1	1	.35	97.18	.17	.408	-.26	.60
76	MAGELONA ROSEA					1			1	1	.35	97.54	.17	.408	-.26	.60
77	NEREID(NICON) SPA			1					1	1	.35	97.89	.17	.408	-.26	.60
78	NOTOMASTUS CF LATERICEUS				1				1	1	.35	98.24	.17	.408	-.26	.60
79	ERTOPISA INCISA					1			1	1	.35	98.59	.17	.408	-.26	.60
80	CALLIANASSA LATISPINA				1				1	1	.35	98.94	.17	.408	-.26	.60
81	MAGELONA PETTIBONEAE					1			1	1	.35	99.30	.17	.408	-.26	.60
82	POECILOCHAETUS JOHNSONI				1				1	1	.35	99.65	.17	.408	-.26	.60
83	CHASMOCARCINUS MISSISSIPPIENSIS				1				1	1	.35	100.00	.17	.408	-.26	.60

NO. OF SPECIES	26	10	19	26	42	21	
NO. OF INDIVIDUALS	51	18	32	54	77	52	284

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	83	284	5.2688	.9436	.7108

STATION 1 TRANSECT II PERIOD 77FALL

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 PARAPRIONOSPIO PINNATA	74	17	23	63	10	40	227	6	70.28	70.28	37.83	25.980	10.56	65.10
2 ARMANDIA MACULATA	2	3		9		1	15	4	4.64	74.92	2.50	3.391	-1.06	6.06
3 NEMERTINEA	1		6	1	3	3	14	5	4.33	79.26	2.33	2.160	.07	4.60
4 MAGELONA PHYLLISAE	1	5	1	2	1	3	11	6	3.41	82.66	1.83	.983	.80	2.87
5 MEDIOMASTUS CALIFORNIENSIS		4	2	1	2	1	10	5	3.10	85.76	1.67	1.366	.23	3.10
6 NEREID(HICON) SPA	2	1	1	1		2	7	5	2.17	87.93	1.17	.753	.38	1.96
7 VITRINELLA FLORIDANA	4				1		5	2	1.55	89.47	.83	1.602	-.85	2.51
8 MAGELONA ROSEA		1		1		1	3	3	.93	90.40	.50	.548	-.07	1.07
9 MAGELONA LONGICORNIS				2		1	3	2	.93	91.33	.50	.837	-.38	1.38
10 AMPELISCA AGASSIZI		1		2			3	2	.93	92.26	.50	.837	-.38	1.38
11 SIGAMBRA TENTACULATA			1	1			2	2	.62	92.88	.33	.516	-.21	.88
12 NOTOMASTUS CF LATERICEUS	1	1					2	2	.62	93.50	.33	.516	-.21	.88
13 CUSSURA DELTA						2	2	1	.62	94.12	.33	.816	-.52	1.19
14 ABRA AEQUALIS			1				1	1	.31	94.43	.17	.408	-.26	.60
15 CERIANTHARIA			1				1	1	.31	94.74	.17	.408	-.26	.60
16 ONUPHIS SPD	1						1	1	.31	95.05	.17	.408	-.26	.60
17 NEPHTYS INCISA		1					1	1	.31	95.36	.17	.408	-.26	.60
18 ANCISTROSYLLIS JONESI	1						1	1	.31	95.67	.17	.408	-.26	.60
19 GONEPLACIDAE						1	1	1	.31	95.98	.17	.408	-.26	.60
20 ANCISTROSYLLIS PAPILLOSA	1						1	1	.31	96.28	.17	.408	-.26	.60
21 GYPTIS VITTATA						1	1	1	.31	96.59	.17	.408	-.26	.60
22 AMPELISCA VERRILLI	1						1	1	.31	96.90	.17	.408	-.26	.60
23 SPIONIDAE					1		1	1	.31	97.21	.17	.408	-.26	.60
24 ARICIDEA CF FRAGILIS	1						1	1	.31	97.52	.17	.408	-.26	.60
25 LUMBRINERIS PARVAPEDATA						1	1	1	.31	97.83	.17	.408	-.26	.60
26 NINOE NIGRIPES						1	1	1	.31	98.14	.17	.408	-.26	.60
27 SIGAMBRA BASSI						1	1	1	.31	98.45	.17	.408	-.26	.60
28 LISTRIELLA BARNARDI				1			1	1	.31	98.76	.17	.408	-.26	.60
29 PINNOTHERIDAE				1			1	1	.31	99.07	.17	.408	-.26	.60
30 SIPUNCULA					1		1	1	.31	99.38	.17	.408	-.26	.60
31 REGILLA MULLERI				1			1	1	.31	99.69	.17	.408	-.26	.60
32 OBELIA SPA	1						1	1	.31	100.00	.17	.408	-.26	.60
NO. OF SPECIES	13	9	8	13	7	14								
NO. OF INDIVIDUALS	91	32	36	86	19	59	323							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	II	32	323	2.1119	.5002	.1875

STATION 2 TRANSECT II PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAONIS SPA	10	7	16	16	12	10	71	6	16.36	16.36	11.83	3.601	8.05	15.61
2	PARAPRIONOSPIO PINNATA	17	13	4	4	17	11	66	6	15.21	31.57	11.00	5.899	4.81	17.19
3	SPIONIDAE	5	12	4	1	8	16	46	6	10.60	42.17	7.67	5.538	1.85	13.48
4	MAGELONA LONGICORNIS	2	5	4	3	3	9	26	6	5.99	48.16	4.33	2.503	1.71	6.96
5	COSSURA DELTA	1	1	3	7		7	19	5	4.38	52.53	3.17	3.125	-.11	6.45
6	PARAONIS GRACILIS	2	5	2	3	3	3	18	6	4.15	56.68	3.00	1.095	1.85	4.15
7	NEMERTINEA	5	1	4	3	1	3	17	6	3.92	60.60	2.83	1.602	1.15	4.51
8	NEPHTYS INCISA	3	6	4		4		17	4	3.92	64.52	2.83	2.401	.31	5.35
9	LUMBRINERIS PARVAPEDATA	5	1	1	3	1	5	16	6	3.69	68.20	2.67	1.966	.60	4.73
10	MEDIOMASTUS CALIFORNIENSIS	2	1	2	5	1	3	14	6	3.23	71.43	2.33	1.506	.75	3.91
11	CORBULA SWIFTIANA	5	4	2	1	1		13	5	3.00	74.42	2.17	1.941	.13	4.20
12	NEPHTYIDAE				6		3	9	2	2.07	76.50	1.50	2.510	-1.13	4.13
13	KALLIAPSEUDES SPA	1	3		1		1	6	4	1.38	77.88	1.00	1.095	-.15	2.15
14	VOLVULELLA TEXASIANA	1	2		1	2		6	4	1.38	79.26	1.00	.894	.06	1.94
15	THARYX MARIONI	1	2			1	1	5	4	1.15	80.41	.83	.753	.04	1.62
16	NEREID SPB	1		1	1	1	1	5	5	1.15	81.57	.83	.408	.40	1.26
17	AUTOMATE EVERMANNI	2	1				2	5	3	1.15	82.72	.83	.983	-.20	1.87
18	TELLINA VERSICOLOR			3			2	5	2	1.15	83.87	.83	1.329	-.56	2.23
19	THARYX ANNULOSUS	1		1			2	4	3	.92	84.79	.67	.816	-.19	1.52
20	AMPELISCA VERRILLI	2	1		1			4	3	.92	85.71	.67	.816	-.19	1.52
21	CIRROPHORUS LYRIFORMIS	2	1					3	2	.69	86.41	.50	.837	-.38	1.38
22	PARAONIDAE		1				2	3	2	.69	87.10	.50	.837	-.38	1.38
23	OPHIUROIDEA	2	1					3	2	.69	87.79	.50	.837	-.38	1.38
24	HETEROSPIO LONGISSIMA	1	1		1			3	3	.69	88.48	.50	.548	-.07	1.07
25	NINOE NIGRIPES		1		1			2	2	.46	88.94	.33	.516	-.21	.88
26	OPHIOGLYCERA CF DISIORTA		1		1			2	2	.46	89.40	.33	.516	-.21	.88
27	SIGAMBRA TENTACULATA		1			1		2	2	.46	89.86	.33	.516	-.21	.88
28	DIOPATRA SP	1			1			2	2	.46	90.32	.33	.516	-.21	.88
29	APSEUDES SPA		2					2	1	.46	90.78	.33	.816	-.52	1.19
30	AMPELISCA AGASSIZI	1	1					2	2	.46	91.24	.33	.516	-.21	.88
31	AMPELISCA ABDITA	2						2	1	.46	91.71	.33	.816	-.52	1.19
32	CIRROPHORUS BRANCHIATUS				2			2	1	.46	92.17	.33	.816	-.52	1.19
33	ARMANDIA MACULATA						2	2	1	.46	92.63	.33	.816	-.52	1.19
34	ARICIDEA CF FRAGILIS	1						1	1	.23	92.86	.17	.408	-.26	.60
35	MAGELONA ROSEA		1					1	1	.23	93.09	.17	.408	-.26	.60
36	GONIADIDAE		1					1	1	.23	93.32	.17	.408	-.26	.60
37	POLYCHAETE SPA	1						1	1	.23	93.55	.17	.408	-.26	.60
38	ONUPHIS SPA					1		1	1	.23	93.78	.17	.408	-.26	.60
39	NOTOMASTUS CF LATERICEUS						1	1	1	.23	94.01	.17	.408	-.26	.60
40	EUDORELLA MONODON	1						1	1	.23	94.24	.17	.408	-.26	.60
41	DIPLODONTA CF SOROR		1					1	1	.23	94.47	.17	.408	-.26	.60
42	TEREBELLIDAE	1						1	1	.23	94.70	.17	.408	-.26	.60
43	GONEPLACIDAE			1				1	1	.23	94.93	.17	.408	-.26	.60
44	MINOSPIO LONGIBRANCHIATA				1			1	1	.23	95.16	.17	.408	-.26	.60
45	CIRRATULID-B	1						1	1	.23	95.39	.17	.408	-.26	.60
46	ANACHIS CALLIGLYPTA		1					1	1	.23	95.62	.17	.408	-.26	.60
47	PARAONIDES LYRA					1		1	1	.23	95.85	.17	.408	-.26	.60
48	MALACOCEROS VANDERHORSTI						1	1	1	.23	96.08	.17	.408	-.26	.60
49	SIGAMBRA BASSI						1	1	1	.23	96.31	.17	.408	-.26	.60
50	PROCESSA HEMPHILLI			1				1	1	.23	96.54	.17	.408	-.26	.60
51	NEREID(NICON) SPA						1	1	1	.23	96.77	.17	.408	-.26	.60
52	LOVENELLA GRANDIS				1			1	1	.23	97.00	.17	.408	-.26	.60
53	SPIOPHANES SPA					1		1	1	.23	97.24	.17	.408	-.26	.60
54	CIRRATULIDAE		1					1	1	.23	97.47	.17	.408	-.26	.60

55	LAONICE CIRRATA			1				1	1	.23	97.70	.17	.408	-.26	.60
56	SIPUNCULA			1				1	1	.23	97.93	.17	.408	-.26	.60
57	ALPHEUS SP		1					1	1	.23	98.16	.17	.408	-.26	.60
58	MAGELONA PHYLLISAE					1		1	1	.23	98.39	.17	.408	-.26	.60
59	ABRA AEQUALIS		1					1	1	.23	98.62	.17	.408	-.26	.60
60	SCHISTOMERINGOS RUDOLPHI		1					1	1	.23	98.85	.17	.408	-.26	.60
61	DIOPATRA TRIDENTATA						1	1	1	.23	99.08	.17	.408	-.26	.60
62	AUTOMATE SP		1					1	1	.23	99.31	.17	.408	-.26	.60
63	SYLLIS CORNUTA	1						1	1	.23	99.54	.17	.408	-.26	.60
64	ERIOPISA SP8						1	1	1	.23	99.77	.17	.408	-.26	.60
65	ARICIDEA CF USCHAKOVI		1					1	1	.23	100.00	.17	.408	-.26	.60

NO. OF SPECIES	30	35	18	22	18	24	
NO. OF INDIVIDUALS	81	85	55	64	60	89	434

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	II	65	434	4.5502	.9254	.5538

STATION 3 TRANSECT II PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SANGUINOLARIA SANGUINOLENTA		29					29	1	14.22	14.22	4.83	11.839	-7.59	17.26
2	SIPUNCULA		1	5	1	5	5	17	5	8.33	22.55	2.83	2.401	.31	5.35
3	SIGAMBRA TENTACULATA	2	4	2	2	2		12	5	5.88	28.43	2.00	1.265	.67	3.33
4	PARAONIS GRACILIS		2	2	1	2	4	11	5	5.39	33.82	1.83	1.329	.44	3.23
5	NEMERTINEA		3	5	1		1	10	4	4.90	38.73	1.67	1.966	-.40	3.73
6	THARYX MARIONI		5	2		1		8	3	3.92	42.65	1.33	1.966	-.73	3.40
7	THYASIRA PYGMAEA		5	1	1			7	3	3.43	46.08	1.17	1.941	-.87	3.20
8	SARSIELLA CF GREYI	1	1	1		2	2	7	5	3.43	49.51	1.17	.753	.38	1.96
9	PARAONIS SPA	1	3	1			1	6	4	2.94	52.45	1.00	1.095	-.15	2.15
10	ERIOPISA INCISA		1	1	4			6	3	2.94	55.39	1.00	1.549	-.63	2.63
11	TETRAGONODON SPA			3			2	5	2	2.45	57.84	.83	1.329	-.56	2.23
12	ARMANDIA MACULATA		1	2			1	4	3	1.96	59.80	.67	.816	-.19	1.52
13	HARBANSUS PAUCICHELATUS		4					4	1	1.96	61.76	.67	1.633	-1.05	2.38
14	AGLAOPHAMUS CIRCINATA		3		1			4	2	1.96	63.73	.67	1.211	-.60	1.94
15	PARAPRIONOSPIO PINNATA		1	1			1	3	3	1.47	65.20	.50	.548	-.07	1.07
16	PARALACYDONIA PARADOXA			1	2			3	2	1.47	66.67	.50	.837	-.38	1.38
17	STERNASPIS SCUTATA		2			1		3	2	1.47	68.14	.50	.837	-.38	1.38
18	XENANTHURA BREVITELSON		3					3	1	1.47	69.61	.50	1.225	-.79	1.79
19	CUMACEAN SPF		3					3	1	1.47	71.08	.50	1.225	-.79	1.79
20	CERATOCEPHALE OCULATA	2						2	1	.98	72.06	.33	.816	-.52	1.19
21	COSSURA DELTA			1	1			2	2	.98	73.04	.33	.516	-.21	.88
22	NINOE NIGRIPES		1	1				2	2	.98	74.02	.33	.516	-.21	.88
23	DIPLOCIRRUS SP			2				2	1	.98	75.00	.33	.816	-.52	1.19
24	SERPULIDAE				2			2	1	.98	75.98	.33	.816	-.52	1.19
25	DENTALIUM SOWERBYI			1			1	2	2	.98	76.96	.33	.516	-.21	.88
26	SCUTOPUS SPA			1	1			2	2	.98	77.94	.33	.516	-.21	.88
27	SPIONIDAE		2					2	1	.98	78.92	.33	.816	-.52	1.19
28	ONUPHIDAE		2					2	1	.98	79.90	.33	.816	-.52	1.19
29	CAPITELLA CAPITATA		1			1		2	2	.98	80.88	.33	.516	-.21	.88
30	SYLLIS SPC				2			2	1	.98	81.86	.33	.816	-.52	1.19
31	BYBLIS CF AFFINIS		1				1	2	2	.98	82.84	.33	.516	-.21	.88
32	GLYCERA TESSELATA				2			2	1	.98	83.82	.33	.816	-.52	1.19
33	AMPELISCA SPA				2			2	1	.98	84.80	.33	.816	-.52	1.19
34	NEPHTYIDAE		1			1		2	2	.98	85.78	.33	.516	-.21	.88
35	NUCULANA ACUTA					1	1	2	2	.98	86.76	.33	.516	-.21	.88
36	PITAR CORDATUS						2	2	1	.98	87.75	.33	.816	-.52	1.19
37	AMYGDALUM PAPYRIUM	1						1	1	.49	88.24	.17	.408	-.26	.60
38	ARICIDEA NEOSUECICA						1	1	1	.49	88.73	.17	.408	-.26	.60
39	ONUPHIS SPA		1					1	1	.49	89.22	.17	.408	-.26	.60
40	THARYX ANNULOSUS			1				1	1	.49	89.71	.17	.408	-.26	.60
41	HETEROPHOXUS CF OCULATUS			1				1	1	.49	90.20	.17	.408	-.26	.60
42	POLYSTIRA ALBIDA						1	1	1	.49	90.69	.17	.408	-.26	.60
43	PARAONIDES LYRA		1					1	1	.49	91.18	.17	.408	-.26	.60
44	NOTOMASTUS HEMIPODUS		1					1	1	.49	91.67	.17	.408	-.26	.60
45	OBELIA SPA				1			1	1	.49	92.16	.17	.408	-.26	.60
46	NOTOMASTUS AMERICANUS				1			1	1	.49	92.65	.17	.408	-.26	.60
47	OPHIUROIDEA				1			1	1	.49	93.14	.17	.408	-.26	.60
48	SARSIELLA SPF		1					1	1	.49	93.63	.17	.408	-.26	.60
49	PINNOTHERIDAE				1			1	1	.49	94.12	.17	.408	-.26	.60
50	MOIRA ATROPOS		1					1	1	.49	94.61	.17	.408	-.26	.60
51	ANOMALOCARDIA AUBERIANA		1					1	1	.49	95.10	.17	.408	-.26	.60
52	OLIGOCHAETA	1						1	1	.49	95.59	.17	.408	-.26	.60
53	AMPELISCA ANDIIA					1		1	1	.49	96.08	.17	.408	-.26	.60
54	SARSIELLA SPC			1				1	1	.49	96.57	.17	.408	-.26	.60

55	LANICE CF CONCHILEGA			1			1	1	.49	97.06	.17	.408	-.26	.60
56	AGLAOPHAMUS INERMIS				1		1	1	.49	97.55	.17	.408	-.26	.60
57	TEREBELLIDES STROEMII		1				1	1	.49	98.04	.17	.408	-.26	.60
58	CALIPTA CF CALIDA					1	1	1	.49	98.53	.17	.408	-.26	.60
59	PHILOMEDES SPA			1			1	1	.49	99.02	.17	.408	-.26	.60
60	ALTERNOCHELATA SPA		1				1	1	.49	99.51	.17	.408	-.26	.60
61	MEDIOMASTUS CALIFORNIENSIS			1			1	1	.49	100.00	.17	.408	-.26	.60

NO. OF SPECIES	6	31	23	19	11	15	
NO. OF INDIVIDUALS	8	87	38	28	18	25	204

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	II	61	204	5.1694	.9581	.9016

STATION 4 TRANSECT II PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA	33	33	4	40	16	14	140	6	44.03	44.03	23.33	13.995	8.64	38.02
2	NEPHTYS INCISA	6	5	3	5	5	1	25	6	7.86	51.89	4.17	1.835	2.24	6.09
3	NEMERTINEA	1		1	5	8	1	16	5	5.03	56.92	2.67	3.141	-.63	5.96
4	NOTOMASTUS CF LATERICEUS	1	3	3	4	3		14	5	4.40	61.32	2.33	1.506	.75	3.91
5	PARAONIS GRACILIS	4	3				5	12	3	3.77	65.09	2.00	2.280	-.39	4.39
6	MAGELONA LONGICORNIS	3	1		1	3	3	11	5	3.46	68.55	1.83	1.329	.44	3.23
7	COSSURA DELTA	4			1	2	4	11	4	3.46	72.01	1.83	1.835	-.09	3.76
8	LUMBRINERIS PARVAPEDATA	3	2	1	2	1		9	5	2.83	74.84	1.50	1.049	.40	2.60
9	SPIONIDAE		4	2		2		8	3	2.52	77.36	1.33	1.633	-.38	3.05
10	CORBULA SWIFTIANA	2				4	1	7	3	2.20	79.56	1.17	1.602	-.51	2.85
11	NEPHTYIDAE		3	1		3		7	3	2.20	81.76	1.17	1.472	-.38	2.71
12	AMPELISCA VERRILLI				3	3	1	7	3	2.20	83.96	1.17	1.472	-.38	2.71
13	PARAONIDAE	1	1		2	1		5	4	1.57	85.53	.83	.753	.04	1.62
14	EUDORELLA MONODON	1			2	1		4	3	1.26	86.79	.67	.816	-.19	1.52
15	VOLVULELLA TEXASIANA			1	1		2	4	3	1.26	88.05	.67	.816	-.19	1.52
16	NINOE NIGRIPES	1			1	2		4	3	1.26	89.31	.67	.816	-.19	1.52
17	APSEUDES SPA	1	1			1		3	3	.94	90.25	.50	.548	-.07	1.07
18	THARYX MARIONI	1				2		3	2	.94	91.19	.50	.837	-.38	1.38
19	CIRROPHORUS LYRIFORMIS		1				2	3	2	.94	92.14	.50	.837	-.38	1.38
20	CERIANTHARIA	2					1	3	2	.94	93.08	.50	.837	-.38	1.38
21	AUTOMATE EVERMANNI				1	1		2	2	.63	93.71	.33	.516	-.21	.88
22	SIGAMBRA BASSI			1	1			2	2	.63	94.34	.33	.516	-.21	.88
23	SIGAMBRA TENTACULATA	1			1			2	2	.63	94.97	.33	.516	-.21	.88
24	DRILONEREIS MAGNA	1						1	1	.31	95.28	.17	.408	-.26	.60
25	AMPELISCA ABDITA				1			1	1	.31	95.60	.17	.408	-.26	.60
26	LEPIDASTHENIA MACULATA				1			1	1	.31	95.91	.17	.408	-.26	.60
27	HALIOPHASMA SPA						1	1	1	.31	96.23	.17	.408	-.26	.60
28	ALPHEUS SP				1			1	1	.31	96.54	.17	.408	-.26	.60
29	MACOMA POLLEYI			1				1	1	.31	96.86	.17	.408	-.26	.60
30	PHYLLODOCE MUCOSA					1		1	1	.31	97.17	.17	.408	-.26	.60
31	MEDIOMASTUS CALIFORNIENSIS						1	1	1	.31	97.48	.17	.408	-.26	.60
32	THARYX ANNULOSUS				1			1	1	.31	97.80	.17	.408	-.26	.60
33	NOTOMASTUS AMERICANUS						1	1	1	.31	98.11	.17	.408	-.26	.60
34	NEREID(NICON) SPA	1						1	1	.31	98.43	.17	.408	-.26	.60
35	NEREID SPB						1	1	1	.31	98.74	.17	.408	-.26	.60
36	PINNOTHERIDAE		1					1	1	.31	99.06	.17	.408	-.26	.60
37	LISTRIELLA BARNARDI						1	1	1	.31	99.37	.17	.408	-.26	.60
38	SIPUNCULA					1		1	1	.31	99.69	.17	.408	-.26	.60
39	ANCISTROSYLLIS JONESI		1					1	1	.31	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	18	13	10	19	19	16								
	NO. OF INDIVIDUALS	67	59	18	74	60	40	318							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	II	39	318	3.5302	.7900	.4359

STATION 5 TRANSECT II PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	CORBULA SWIFTIANA	8	1		3	20	3	35	5	14.64	14.64	5.83	7.468	-2.00	13.67
2	PARAONIS GRACILIS	3	1	4	4	8	2	22	6	9.21	23.85	3.67	2.422	1.12	6.21
3	PARAONIS SPA	1	2	4	4	2	4	17	6	7.11	30.96	2.83	1.329	1.44	4.23
4	COSSURA DELTA	3	1	2	1	1	2	10	6	4.18	35.15	1.67	.816	.81	2.52
5	MEDIOMASTUS CALIFORNIENSIS	4			3		3	10	3	4.18	39.33	1.67	1.862	-.29	3.62
6	NEMERTINEA	2				2	4	8	3	3.35	42.68	1.33	1.633	-.38	3.05
7	SIGAMBRA TENTACULATA	2	3	1	2			8	4	3.35	46.03	1.33	1.211	.06	2.60
8	AMPELISCA AGASSIZI			3	1		3	7	3	2.93	48.95	1.17	1.472	-.38	2.71
9	AMPHARETE AMERICANA	2			4			6	2	2.51	51.46	1.00	1.673	-.76	2.76
10	PARAONIDES LYRA	1			2		3	6	3	2.51	53.97	1.00	1.265	-.33	2.33
11	AMPHARETE ACUTIFRONS	2	1		1	1		5	4	2.09	56.07	.83	.753	.04	1.62
12	SIPUNCULA	3		2				5	2	2.09	58.16	.83	1.329	-.56	2.23
13	PARAPRIONOSPIO PINNATA	3		1		1		5	3	2.09	60.25	.83	1.169	-.39	2.06
14	EXOGONE DISPAR					3	2	5	2	2.09	62.34	.83	1.329	-.56	2.23
15	NEREID SPB	3			1			4	2	1.67	64.02	.67	1.211	-.60	1.94
16	MAGELONA LONGICORNIS	2	1			1		4	3	1.67	65.69	.67	.816	-.19	1.52
17	HYALA SPA					1	3	4	2	1.67	67.36	.67	1.211	-.60	1.94
18	VOLVULELLA TEXASIANA						3	3	1	1.26	68.62	.50	1.225	-.79	1.79
19	LUMBRINERIS PARVAPEDATA	1		1	1			3	3	1.26	69.87	.50	.548	-.07	1.07
20	NEPHTYIDAE					1	2	3	2	1.26	71.13	.50	.837	-.38	1.38
21	SPIONIDAE	1			1		1	3	3	1.26	72.38	.50	.548	-.07	1.07
22	TELLINA VERSICOLOR		1	1	1			3	3	1.26	73.64	.50	.548	-.07	1.07
23	SYNCHELIDIUM CF AMERICANUM						3	3	1	1.26	74.90	.50	1.225	-.79	1.79
24	PARAONIDAE	1		1				2	2	.84	75.73	.33	.516	-.21	.88
25	PITAR CORDATUS		1	1				2	2	.84	76.57	.33	.516	-.21	.88
26	MACOMA TENTA		1			1		2	2	.84	77.41	.33	.516	-.21	.88
27	LUMBRINERIS ALBIDENTATA	1					1	2	2	.84	78.24	.33	.516	-.21	.88
28	NEPHTYS INCISA			1			1	2	2	.84	79.08	.33	.516	-.21	.88
29	OBELIA SPA			1		1		2	2	.84	79.92	.33	.516	-.21	.88
30	OPHIODROMUS OBSCURUS	1					1	2	2	.84	80.75	.33	.516	-.21	.88
31	POLYNOIDAE	2						2	1	.84	81.59	.33	.816	-.52	1.19
32	THYASIRA SPA			1	1			2	2	.84	82.43	.33	.516	-.21	.88
33	SIGAMBRA BASSI	2						2	1	.84	83.26	.33	.816	-.52	1.19
34	AMPELISCA VERRILLI				1		1	2	2	.84	84.10	.33	.516	-.21	.88
35	VARICORBULA DISPARILIS					2		2	1	.84	84.94	.33	.816	-.52	1.19
36	AMAEANA TRILOBATA	1	1					2	2	.84	85.77	.33	.516	-.21	.88
37	SIPHONODENTALIIDAE						2	2	1	.84	86.61	.33	.816	-.52	1.19
38	PHORONIDA	2						2	1	.84	87.45	.33	.816	-.52	1.19
39	THARYX MARIONI		1			1		2	2	.84	88.28	.33	.516	-.21	.88
40	THARYX ANNULOSUS	2						2	1	.84	89.12	.33	.816	-.52	1.19
41	EUDORELLA MONODON					1		1	1	.42	89.54	.17	.408	-.26	.60
42	GONEPLACIDAE		1					1	1	.42	89.96	.17	.408	-.26	.60
43	LUMBRINERIS TENUIS				1			1	1	.42	90.38	.17	.408	-.26	.60
44	PLATYHELMINTHES					1		1	1	.42	90.79	.17	.408	-.26	.60
45	NINOE NIGRIPES	1						1	1	.42	91.21	.17	.408	-.26	.60
46	MEGALOMMA CF QUADRIOCULATUM						1	1	1	.42	91.63	.17	.408	-.26	.60
47	PARASTEROPE LATA						1	1	1	.42	92.05	.17	.408	-.26	.60
48	CHLOEIA VIRIDIS						1	1	1	.42	92.47	.17	.408	-.26	.60
49	TURBONILLA SP			1				1	1	.42	92.89	.17	.408	-.26	.60
50	BARBANSUS PAUCICHELATUS						1	1	1	.42	93.31	.17	.408	-.26	.60
51	MINUSPIO LONGIBRANCHIATA				1			1	1	.42	93.72	.17	.408	-.26	.60
52	PARAMPHINOME PULCHELLA				1			1	1	.42	94.14	.17	.408	-.26	.60
53	STERNASPIS SCUTATA						1	1	1	.42	94.56	.17	.408	-.26	.60
54	AMPELISCA SPA						1	1	1	.42	94.98	.17	.408	-.26	.60

55 NEREID(NICON) SPA					1		1	1	.42	95.40	.17	.408	-.26	.60
56 AMPHARETIDAE					1		1	1	.42	95.82	.17	.408	-.26	.60
57 GONIADA NORVEGICA			1				1	1	.42	96.23	.17	.408	-.26	.60
58 NOTOMASTUS LATERICEUS	1						1	1	.42	96.65	.17	.408	-.26	.60
59 AMPHARETE PARVIDENTATA						1	1	1	.42	97.07	.17	.408	-.26	.60
60 NATICA CANRENA			1				1	1	.42	97.49	.17	.408	-.26	.60
61 YOLDIA SOLENOIDES		1					1	1	.42	97.91	.17	.408	-.26	.60
62 GYPTIS VITTATA					1		1	1	.42	98.33	.17	.408	-.26	.60
63 THYASIRA PYGMAEA		1					1	1	.42	98.74	.17	.408	-.26	.60
64 DENTALIIDAE			1				1	1	.42	99.16	.17	.408	-.26	.60
65 ABRA AEQUALIS					1		1	1	.42	99.58	.17	.408	-.26	.60
66 ANACHIS CALLIGLYPTA		1					1	1	.42	100.00	.17	.408	-.26	.60

NO. OF SPECIES	26	16	18	19	21	26	
NO. OF INDIVIDUALS	55	19	28	34	52	51	239

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	II	66	239	5.2099	.9560	.8485

STATION 6 TRANSECT II PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAONIS GRACILIS	1	6	13	2	2	8	32	6	15.69	15.69	5.33	4.633	.47	10.20
2	SIGAMBRA TENTACULATA	5	3	1		3	3	15	5	7.35	23.04	2.50	1.761	.65	4.35
3	PITAR CORDATUS		1	3	4		5	13	4	6.37	29.41	2.17	2.137	-.08	4.41
4	COSSURA DELTA	1	3	3		3	2	12	5	5.88	35.29	2.00	1.265	.67	3.33
5	ERIOPISA INCISA	6		6				12	2	5.88	41.18	2.00	3.098	-1.25	5.25
6	THARYX MARIONI	2	1	4	2		1	10	5	4.90	46.08	1.67	1.366	.23	3.10
7	HYALA SPA			9				9	1	4.41	50.49	1.50	3.674	-2.36	5.36
8	CORBULA SWIFTIANA		4	5				9	2	4.41	54.90	1.50	2.345	-.96	3.96
9	PARAONIS SPA		1	5				6	2	2.94	57.84	1.00	2.000	-1.10	3.10
10	PARALACYDONIA PARADOXA		1	3	1	1		6	4	2.94	60.78	1.00	1.095	-.15	2.15
11	PARAONIDAE	4		1				5	2	2.45	63.24	.83	1.602	-.85	2.51
12	NEPHTYS INCISA	1			3		1	5	3	2.45	65.69	.83	1.169	-.39	2.06
13	THARYX ANNULOSUS	3					1	4	2	1.96	67.65	.67	1.211	-.60	1.94
14	NEMERTINEA			1	2	1		4	3	1.96	69.61	.67	.816	-.19	1.52
15	SPIONIDAE			4				4	1	1.96	71.57	.67	1.633	-1.05	2.38
16	AMPELISCA SPA				2		1	3	2	1.47	73.04	.50	.837	-.38	1.38
17	ABRA AEQUALIS				3			3	1	1.47	74.51	.50	1.225	-.79	1.79
18	GYPTIS VITTATA	2		1				3	2	1.47	75.98	.50	.837	-.38	1.38
19	SCUTOPUS SPA			1			2	3	2	1.47	77.45	.50	.837	-.38	1.38
20	ARMANDIA MACULATA				1		2	3	2	1.47	78.92	.50	.837	-.38	1.38
21	THYASIRA PYGMAEA	1		1			1	3	3	1.47	80.39	.50	.548	-.07	1.07
22	STERNASPIS SCUTATA			1		1	1	3	3	1.47	81.86	.50	.548	-.07	1.07
23	SOLEMYA SPA						3	3	1	1.47	83.33	.50	1.225	-.79	1.79
24	BYBLIS CF AFFINIS			3				3	1	1.47	84.80	.50	1.225	-.79	1.79
25	ARICIDEA NEOSUECICA			1	1			2	2	.98	85.78	.33	.516	-.21	.88
26	GONIADA MACULATA	1						1	1	.49	86.27	.17	.408	-.26	.60
27	MAGELONA LONGICORNIS		1					1	1	.49	86.76	.17	.408	-.26	.60
28	PELOSCOLEX SP			1				1	1	.49	87.25	.17	.408	-.26	.60
29	SIGAMBRA BASSI		1					1	1	.49	87.75	.17	.408	-.26	.60
30	CAPITELLIDAE			1				1	1	.49	88.24	.17	.408	-.26	.60
31	AGLAOPHAMUS CIRCINATA				1			1	1	.49	88.73	.17	.408	-.26	.60
32	AUTOMATE EVERMANNI				1			1	1	.49	89.22	.17	.408	-.26	.60
33	PILARGIIDAE	1						1	1	.49	89.71	.17	.408	-.26	.60
34	NEPHTYIDAE			1				1	1	.49	90.20	.17	.408	-.26	.60
35	ORELIA SPA					1		1	1	.49	90.69	.17	.408	-.26	.60
36	THYASIRA SPA		1					1	1	.49	91.18	.17	.408	-.26	.60
37	SIPUNCULA				1			1	1	.49	91.67	.17	.408	-.26	.60
38	SPHAERODORIDIUM CLAPAREDII			1				1	1	.49	92.16	.17	.408	-.26	.60
39	AEDICIRA BELGICAE		1					1	1	.49	92.65	.17	.408	-.26	.60
40	ANTHELURA SP				1			1	1	.49	93.14	.17	.408	-.26	.60
41	NATICA CANRENA				1			1	1	.49	93.63	.17	.408	-.26	.60
42	EUDORELLA MONODON			1				1	1	.49	94.12	.17	.408	-.26	.60
43	TELLINA VERSICOLOR			1				1	1	.49	94.61	.17	.408	-.26	.60
44	EUCHONE ROSEA				1			1	1	.49	95.10	.17	.408	-.26	.60
45	PARAONIDES LYRA				1			1	1	.49	95.59	.17	.408	-.26	.60
46	PHYLLODOCE MUCOSA				1			1	1	.49	96.08	.17	.408	-.26	.60
47	RENILLA MULLERI				1			1	1	.49	96.57	.17	.408	-.26	.60
48	PROCESSA HEMPHILLI				1			1	1	.49	97.06	.17	.408	-.26	.60
49	SPHYRAPUS SPA			1				1	1	.49	97.55	.17	.408	-.26	.60
50	PHILINE SAGRA			1				1	1	.49	98.04	.17	.408	-.26	.60
51	GLYCERA TESSELATA			1				1	1	.49	98.53	.17	.408	-.26	.60
52	GONEPLACIDAE						1	1	1	.49	99.02	.17	.408	-.26	.60
53	HIPPOMEDON CF SERRATUS			1				1	1	.49	99.51	.17	.408	-.26	.60
54	AMYGDALUM PAPYRIUM			1				1	1	.49	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	12	12	30	20	7	14								
	NO. OF INDIVIDUALS	28	24	77	31	12	32	204							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY

STATION 1 TRANSECT III PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA	29	14	42	83	4	20	192	6	42.29	42.29	32.00	28.150	2.45	61.55
2	AMPELISCA AGASSIZI	17	15	47	15	3	9	106	6	23.35	65.64	17.67	15.267	1.64	33.69
3	NEMERTINEA	1	9	3	6	10	7	36	6	7.93	73.57	6.00	3.464	2.36	9.64
4	MEDIOMASTUS CALIFORNIENSIS	7		3	2			12	3	2.64	76.21	2.00	2.757	-.89	4.89
5	PARAONIS GRACILIS	4	2	3	1			10	4	2.20	78.41	1.67	1.633	-.05	3.38
6	VOLVULELLA TEXASIANA			2	1		4	7	3	1.54	79.96	1.17	1.602	-.51	2.85
7	CERIANTHARIA	2	1		1	2	1	7	5	1.54	81.50	1.17	.753	.38	1.96
8	NINOE NIGRIPES	1		1	1		3	6	4	1.32	82.82	1.00	1.095	-.15	2.15
9	HYALA SPA	4					1	5	2	1.10	83.92	.83	1.602	-.85	2.51
10	MALACOCEROS VANDERHORSTI				2		2	4	2	.88	84.80	.67	1.033	-.42	1.75
11	MAGELONA LONGICORNIS	2	2					4	2	.88	85.68	.67	1.033	-.42	1.75
12	AMPELISCA ABDITA	1	1	1	1			4	4	.88	86.56	.67	.516	.12	1.21
13	SIGAMBRA BASSI		2	2				4	2	.88	87.44	.67	1.033	-.42	1.75
14	NOTOMASTUS CF LATERICEUS		1		1	1	1	4	4	.88	88.33	.67	.516	.12	1.21
15	SPIONIDAE			4				4	1	.88	89.21	.67	1.633	-1.05	2.38
16	NEPHTYS INCISA	2		2				4	2	.88	90.09	.67	1.033	-.42	1.75
17	AUTOMATE EVERMANNI		2	2				4	2	.88	90.97	.67	1.033	-.42	1.75
18	TEREBRA PROTEXTA	2			1		1	4	3	.88	91.85	.67	.816	-.19	1.52
19	COSSURA DELTA			1	2		1	4	3	.88	92.73	.67	.816	-.19	1.52
20	SIGAMBRA TENTACULATA	1		2	1			4	3	.88	93.61	.67	.816	-.19	1.52
21	POLYCHAETE SPA				3			3	1	.66	94.27	.50	1.225	-.79	1.79
22	LUMBRINERIS PARVAPEDATA	2					1	3	2	.66	94.93	.50	.837	-.38	1.38
23	NEREID(NICON) SPA	1		1				2	2	.44	95.37	.33	.516	-.21	.88
24	OPHIOGLYCERA DISTORTA		2					2	1	.44	95.81	.33	.816	-.52	1.19
25	THARYX MARIONI	1						1	1	.22	96.04	.17	.408	-.26	.60
26	ERIOPISA SPB	1						1	1	.22	96.26	.17	.408	-.26	.60
27	OPHIUROIDEA				1			1	1	.22	96.48	.17	.408	-.26	.60
28	ARMANDIA MACULATA						1	1	1	.22	96.70	.17	.408	-.26	.60
29	ALPHEUS SP						1	1	1	.22	96.92	.17	.408	-.26	.60
30	NEPHTYIDAE				1			1	1	.22	97.14	.17	.408	-.26	.60
31	PILARGIS BERKELYAE					1		1	1	.22	97.36	.17	.408	-.26	.60
32	CLYTIA LONGICYATHA			1				1	1	.22	97.58	.17	.408	-.26	.60
33	LUMBRINERIS TENUIS						1	1	1	.22	97.80	.17	.408	-.26	.60
34	GONEPLACIDAE			1				1	1	.22	98.02	.17	.408	-.26	.60
35	ALPHEIDAE						1	1	1	.22	98.24	.17	.408	-.26	.60
36	AMPELISCA VERRILLI	1						1	1	.22	98.46	.17	.408	-.26	.60
37	MALACOCEROS SP						1	1	1	.22	98.68	.17	.408	-.26	.60
38	PINNOTHERIDAE		1					1	1	.22	98.90	.17	.408	-.26	.60
39	MINUSPIO LONGIBRANCHIATA			1				1	1	.22	99.12	.17	.408	-.26	.60
40	ARICIDEA JEFFREYSII		1					1	1	.22	99.34	.17	.408	-.26	.60
41	ANCISTROSYLLIS PAPILLOSA	1						1	1	.22	99.56	.17	.408	-.26	.60
42	CORBULA SWIFTIANA		1					1	1	.22	99.78	.17	.408	-.26	.60
43	MINUSPIO CIRRIFERA		1					1	1	.22	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	19	15	18	17	6	17								
	NO. OF INDIVIDUALS	80	55	119	123	21	56	454							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	III	43	454	3.1053	.7590	.3023

STATION 2 TRANSECT III PERIOD 77FALL

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 NEMERTINEA	1	2	1	1		3	8	5	10.00	10.00	1.33	1.033	.25	2.42
2 PARAONIS SPA	1			2	1	2	6	4	7.50	17.50	1.00	.894	.06	1.94
3 COSSURA DELTA		1	3	1		1	6	4	7.50	25.00	1.00	1.095	-.15	2.15
4 PARAPRIONOSPIO PINNATA	1	2			1	1	5	4	6.25	31.25	.83	.753	.04	1.62
5 PARAONIS GRACILIS	2				1	2	5	3	6.25	37.50	.83	.983	-.20	1.87
6 CORBULA SWIFTIANA		4					4	1	5.00	42.50	.67	1.633	-1.05	2.38
7 PARAONIDAE	2					1	3	2	3.75	46.25	.50	.837	-.38	1.38
8 MEDIOMASTUS CALIFORNIENSIS			2			1	3	2	3.75	50.00	.50	.837	-.38	1.38
9 MAGELONA LONGICORNIS			2	1			3	2	3.75	53.75	.50	.837	-.38	1.38
10 NEPHTYS INCISA		1		1	1		3	3	3.75	57.50	.50	.548	-.07	1.07
11 NEREID SPB	1				1	1	3	3	3.75	61.25	.50	.548	-.07	1.07
12 SIGAMBRA TENTACULATA				1		1	2	2	2.50	63.75	.33	.516	-.21	.88
13 PARAONIDES LYRA	1					1	2	2	2.50	66.25	.33	.516	-.21	.88
14 EUDORELLA MONODON		1	1				2	2	2.50	68.75	.33	.516	-.21	.88
15 LUMBRINERIS TENUIS		1		1			2	2	2.50	71.25	.33	.516	-.21	.88
16 AUTOMATE EVERMANNI		1		1			2	2	2.50	73.75	.33	.516	-.21	.88
17 SPIONIDAE				1	1		2	2	2.50	76.25	.33	.516	-.21	.88
18 SYNCHELIDIUM CF AMERICANUM						1	1	1	1.25	77.50	.17	.408	-.26	.60
19 ARICIDEA CF FRAGILIS	1						1	1	1.25	78.75	.17	.408	-.26	.60
20 AMAEANA ACCRAENSIS			1				1	1	1.25	80.00	.17	.408	-.26	.60
21 SIPUNCULA			1				1	1	1.25	81.25	.17	.408	-.26	.60
22 AMPHICTEIS GUNNERI					1		1	1	1.25	82.50	.17	.408	-.26	.60
23 PINNOTHERIDAE		1					1	1	1.25	83.75	.17	.408	-.26	.60
24 LUMBRINERIS ALBIDENTATA				1			1	1	1.25	85.00	.17	.408	-.26	.60
25 HYALA SPA					1		1	1	1.25	86.25	.17	.408	-.26	.60
26 NOTOMASTUS CF LATERICEUS						1	1	1	1.25	87.50	.17	.408	-.26	.60
27 ASYCHIS ELONGATA					1		1	1	1.25	88.75	.17	.408	-.26	.60
28 CIRROPHORUS LYRIFORMIS						1	1	1	1.25	90.00	.17	.408	-.26	.60
29 DRILONEREIS MAGNA						1	1	1	1.25	91.25	.17	.408	-.26	.60
30 VOLVOLELLA TEXASIANA			1				1	1	1.25	92.50	.17	.408	-.26	.60
31 LUMBRINERIS PARVAPEDATA			1				1	1	1.25	93.75	.17	.408	-.26	.60
32 ARICIDEA JEFFREYSII	1						1	1	1.25	95.00	.17	.408	-.26	.60
33 SCUTOPUS SPA			1				1	1	1.25	96.25	.17	.408	-.26	.60
34 CAPRELLID			1				1	1	1.25	97.50	.17	.408	-.26	.60
35 EXOGONE DISPAR			1				1	1	1.25	98.75	.17	.408	-.26	.60
36 NINOE NIGRIPES			1				1	1	1.25	100.00	.17	.408	-.26	.60
NO. OF SPECIES	9	9	13	10	9	14								
NO. OF INDIVIDUALS	11	14	17	11	9	18		80						

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	III	36	80	4.8047	.9668	1.1111

STATION 3 TRANSECT III PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	ALTERNOCHELATA SPA	1	1	2	2	5	1	12	6	8.70	8.70	2.00	1.549	.37	3.63
2	THYASIRA PYGMAEA		3		3	5		11	3	7.97	16.67	1.83	2.137	-.41	4.08
3	PITAR CORDATUS		3		7			10	2	7.25	23.91	1.67	2.875	-1.35	4.68
4	COSSURA DELTA			2	1	4	3	10	4	7.25	31.16	1.67	1.633	-.05	3.38
5	NEMERTINEA		2	1	2	3		8	4	5.80	36.96	1.33	1.211	.06	2.60
6	SIPUNCULA	1	1	1		2	2	7	5	5.07	42.03	1.17	.753	.38	1.96
7	SIGAMBRA TENTACULATA	2			3	2		7	3	5.07	47.10	1.17	1.329	-.23	2.56
8	PARAONIS GRACILIS	1	1		1	2	1	6	5	4.35	51.45	1.00	.632	.34	1.66
9	DENTALIUM SOWERBYI		1	1	2	1		5	4	3.62	55.07	.83	.753	.04	1.62
10	PARALACYDONIA PARADOXA		1			2	1	4	3	2.90	57.97	.67	.816	-.19	1.52
11	SPIOPHANES WIGLEYI		1		1		1	3	3	2.17	60.14	.50	.548	-.07	1.07
12	THYASIRA SPA	1			1	1		3	3	2.17	62.32	.50	.548	-.07	1.07
13	PARAPRIONOSPIO PINNATA					3		3	1	2.17	64.49	.50	1.225	-.79	1.79
14	SPIONIDAE				3			3	1	2.17	66.67	.50	1.225	-.79	1.79
15	OPHIUROIDEA				2			2	1	1.45	68.12	.33	.816	-.52	1.19
16	AMPELISCA SPA				1	1		2	2	1.45	69.57	.33	.516	-.21	.88
17	NUCULANA ACUTA	1				1		2	2	1.45	71.01	.33	.516	-.21	.88
18	ONUPHIS SPB	1					1	2	2	1.45	72.46	.33	.516	-.21	.88
19	STERNASPIS SCUTATA					2		2	1	1.45	73.91	.33	.816	-.52	1.19
20	LUMBRINERIS SPA					2		2	1	1.45	75.36	.33	.816	-.52	1.19
21	THARYX MARIONI	2						2	1	1.45	76.81	.33	.816	-.52	1.19
22	PARAONIS SPA		1			1		2	2	1.45	78.26	.33	.516	-.21	.88
23	ARMANDIA MACULATA		1				1	2	2	1.45	79.71	.33	.516	-.21	.88
24	OWENIA FUSIFORMIS				2			2	1	1.45	81.16	.33	.816	-.52	1.19
25	CIRRATULID-B				1			1	1	.72	81.88	.17	.408	-.26	.60
26	CALIFIA CF CALIDA			1				1	1	.72	82.61	.17	.408	-.26	.60
27	NINOE NIGRIPES						1	1	1	.72	83.33	.17	.408	-.26	.60
28	SABELLIDAE			1				1	1	.72	84.06	.17	.408	-.26	.60
29	SPIOPHANES LONGICIRRUS						1	1	1	.72	84.78	.17	.408	-.26	.60
30	GLOTTIDIA PYRAMIDATA		1					1	1	.72	85.51	.17	.408	-.26	.60
31	PHILOMEDES SPA				1			1	1	.72	86.23	.17	.408	-.26	.60
32	ONUPHIS SP					1		1	1	.72	86.96	.17	.408	-.26	.60
33	SINUM MACULATUM		1					1	1	.72	87.68	.17	.408	-.26	.60
34	VERTICORDIA ORNATA		1					1	1	.72	88.41	.17	.408	-.26	.60
35	ASTROPECTEN SP					1		1	1	.72	89.13	.17	.408	-.26	.60
36	HYALA SPA		1					1	1	.72	89.86	.17	.408	-.26	.60
37	BYBLIS CF AFFINIS					1		1	1	.72	90.58	.17	.408	-.26	.60
38	FALCIDENS SPA					1		1	1	.72	91.30	.17	.408	-.26	.60
39	PARAONIDES LYRA		1					1	1	.72	92.03	.17	.408	-.26	.60
40	THARYX ANNULOSUS					1		1	1	.72	92.75	.17	.408	-.26	.60
41	XENANTHURA BREVITELSON					1		1	1	.72	93.48	.17	.408	-.26	.60
42	HETEROPHOXUS CF OCULATUS						1	1	1	.72	94.20	.17	.408	-.26	.60
43	GLYCERA TESSELATA					1		1	1	.72	94.93	.17	.408	-.26	.60
44	SPIOCHAETOPTERUS COSTARUM					1		1	1	.72	95.65	.17	.408	-.26	.60
45	BRYOZOA	1						1	1	.72	96.38	.17	.408	-.26	.60
46	TEREBELLIDES STROEMII				1			1	1	.72	97.10	.17	.408	-.26	.60
47	MEDIOMASTUS CALIFORNIENSIS	1						1	1	.72	97.83	.17	.408	-.26	.60
48	MALDANIDAE					1		1	1	.72	98.55	.17	.408	-.26	.60
49	DIPLOCIRRUS SP				1			1	1	.72	99.28	.17	.408	-.26	.60
50	TEREBRA PROTEXTA				1			1	1	.72	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	10	16	7	19	25	11								
	NO. OF INDIVIDUALS	12	21	9	36	46	14	138							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	III	50	138	5.0520	.9647	1.0000

STATION 4 TRANSECT III PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	MAGELONA PHYLLISAE	171	65	164	132	127	45	704	6	15.73	15.73	117.33	51.648	63.12	171.54
2	LUMBRINERIS PARVAPEDATA	54	26	55	38	93	59	325	6	7.26	22.99	54.17	22.746	30.29	78.04
3	TELLINA VERSICOLOR	37	9	104	49	19	16	234	6	5.23	28.22	39.00	35.094	2.16	75.84
4	PARAONIDES LYRA	116	16	6	10	57	20	225	6	5.03	33.25	37.50	42.566	-7.18	82.18
5	MEDIOMASTUS CALIFORNIENSIS	83	25	31	35	20	12	206	6	4.60	37.85	34.33	25.185	7.90	60.77
6	PARAPRIONOSPIO PINNATA	27	10	39	28	45	23	172	6	3.84	41.70	28.67	12.307	15.75	41.58
7	AMPELISCA VERRILLI	18	10	27	19	64	16	154	6	3.44	45.14	25.67	19.562	5.13	46.20
8	MAGELONA PETTIBONEAE	22	15	24	33	22	14	130	6	2.91	48.04	21.67	6.890	14.44	28.90
9	PARAONIDAE	32	1	10	26	16	9	94	6	2.10	50.15	15.67	11.535	3.56	27.77
10	ARICIDEA JEFFREYSII	1	5	44	25	18		93	5	2.08	52.22	15.50	17.144	-2.49	33.49
11	ARICIDEA TAYLORI	13	8	16	21	20	2	80	6	1.79	54.01	13.33	7.312	5.66	21.01
12	NEMERTINEA	21	12	1	20	18	5	77	6	1.72	55.73	12.83	8.329	4.09	21.58
13	PRIONOSPIO CRISTATA		12	34	15	7	4	72	5	1.61	57.34	12.00	12.050	-.65	24.65
14	OPHIUROIDEA	37	5	4	11	4	9	70	6	1.56	58.91	11.67	12.738	-1.70	25.04
15	PARAONIS GRACILIS	13	7	12	20	15	1	68	6	1.52	60.42	11.33	6.593	4.41	18.25
16	THARYX MARIONI	25	19	8	2	11	2	67	6	1.50	61.92	11.17	9.283	1.42	20.91
17	AGLAUPHAMUS CIRCINATA	11		19	14	16	5	65	5	1.45	63.37	10.83	7.139	3.34	18.33
18	CYLICHNA BIDENTATA	18	4	15	24	3		64	5	1.43	64.80	10.67	9.668	.52	20.81
19	ISOLDA PULCHELLA	21	10	8	5	8	3	55	6	1.23	66.03	9.17	6.306	2.55	15.79
20	LUCINA AMIANTUS	38	4	7	5			54	4	1.21	67.24	9.00	14.478	-6.20	24.20
21	ANADARA TRANSVERSA	19	2	2	4	1	20	48	6	1.07	68.31	8.00	8.967	-1.41	17.41
22	SCOLOPLOS CAPENSIS	16		31				47	2	1.05	69.36	7.83	13.029	-5.84	21.51
23	MALDANIDAE	11	7	1	9	11	8	47	6	1.05	70.41	7.83	3.710	3.94	11.73
24	POLYCHAETE SPA	28	6	1	5	2	1	43	6	.96	71.37	7.17	10.420	-3.77	18.10
25	SPIOPHANES BOMBYX	6	12	6	7	7	3	41	6	.92	72.29	6.83	2.927	3.76	9.91
26	LUMBRINERIS TENUIS	24		8	2	6		40	4	.89	73.18	6.67	9.092	-2.88	16.21
27	PHORONIDA	4	12	8	9	1	6	40	6	.89	74.08	6.67	3.882	2.59	10.74
28	MUGNA SP	6	1	6	20	5		38	5	.85	74.93	6.33	7.174	-1.20	13.86
29	DIPLODONTA CF SOROR	9	10	1	10	2	5	37	6	.83	75.75	6.17	4.070	1.89	10.44
30	DIOPATRA CUPREA	12			1	5	18	36	4	.80	76.56	6.00	7.457	-1.83	13.83
31	AGLAUPHAMUS VERRILLI		7	10	8	7	4	36	5	.80	77.36	6.00	3.521	2.30	9.70
32	CORBULA SWIFTIANA	16	2		4	8	4	34	5	.76	78.12	5.67	5.715	-.33	11.67
33	ONUPHIDAE	12	5		10	2	3	32	5	.72	78.84	5.33	4.719	.38	10.29
34	LUCINA MULTILINEATA	11	6	7	6		1	31	5	.69	79.53	5.17	4.070	.89	9.44
35	CLYMENELLA TORQUATA	8	3		4	4	11	30	5	.67	80.20	5.00	3.899	.91	9.09
36	SPIONIDAE	11	1	1	13	1	1	28	6	.63	80.83	4.67	5.715	-1.33	10.67
37	ZOANTHARIA	14	1		3		9	27	4	.60	81.43	4.50	5.753	-1.54	10.54
38	ABRA AEQUALIS	11	1	5	3	2	5	27	6	.60	82.03	4.50	3.564	.76	8.24
39	AMPELISCA CF CRISTATA	15	1	1		9	1	27	5	.60	82.64	4.50	6.124	-1.93	10.93
40	SIPUNCULA	5	6		9	5	1	26	5	.58	83.22	4.33	3.327	.84	7.83
41	GONIADA LITTOREA	7	1	2	3	12		25	5	.56	83.78	4.17	4.535	-.59	8.93
42	CYCLASPIS VARIANS	3	1	3	9	6	2	24	6	.54	84.31	4.00	2.966	.89	7.11
43	LUMBRINERIS JANDARII	17			3	1	1	22	4	.49	84.80	3.67	6.623	-3.29	10.62
44	APOPRIONOSPIO PYGMAEA		4	12	3	1	2	22	5	.49	85.30	3.67	4.320	-.87	8.20
45	MINOSPIO SP	21						21	1	.47	85.77	3.50	8.573	-5.50	12.50
46	DIOPATRA SP			2	1	2	15	20	4	.45	86.21	3.33	5.785	-2.74	9.41
47	THARYX ANNULOSUS	2			18			20	2	.45	86.66	3.33	7.230	-4.25	10.92
48	COSSURA DELTA	11	1	1	3	2		18	5	.40	87.06	3.00	4.050	-1.25	7.25
49	ACTEOCINA CANDEI	1		6	7	1	2	17	5	.38	87.44	2.83	2.927	-.24	5.91
50	OGYRIDES LIMICOLA	1		8	4	3		16	4	.36	87.80	2.67	3.077	-.56	5.90
51	NATICA CANRENA	1	2	3	9	1		16	5	.36	88.16	2.67	3.266	-.76	6.09
52	HAPLOSCOLOPLOS FOLIOSUS		2	1		8	3	14	4	.31	88.47	2.33	3.011	-.83	5.49
53	SCOLARICIA SP				14			14	1	.31	88.78	2.33	5.715	-3.67	8.33
54	PHOTIS MACROMANUS	2		3	4	5		14	4	.31	89.09	2.33	2.066	.17	4.50

55	OWENIA FUSIFORMIS	1	1	5	4	2	1	14	6	.31	89.41	2.33	1.751	.50	4.17
56	STHENELAIS BOA		1	2	2	5	4	14	5	.31	89.72	2.33	1.862	.38	4.29
57	AMPELISCA SPB	1	1	5	1	3	2	13	6	.29	90.01	2.17	1.602	.49	3.85
58	ERICHTHONIAS BRASILIENSIS	12						12	1	.27	90.28	2.00	4.899	-3.14	7.14
59	ONUPHIS SP			11				11	1	.25	90.53	1.83	4.491	-2.88	6.55
60	OXYUROSTYLIS SP	1		4	3	2	1	11	5	.25	90.77	1.83	1.472	.29	3.38
61	LISTRIELLA BARNARDI	1		7	3			11	3	.25	91.02	1.83	2.787	-1.09	4.76
62	SYNCHELIDIUM CF AMERICANUM	1		3	4	1	2	11	5	.25	91.26	1.83	1.472	.29	3.38
63	MONOCULOIDES SPB	2		3	2	4		11	4	.25	91.51	1.83	1.602	.15	3.51
64	AMPHARETIDAE	2					7	9	2	.20	91.71	1.50	2.811	-1.45	4.45
65	MAGELONA ROSEA	2	1		3	2	1	9	5	.20	91.91	1.50	1.049	.40	2.60
66	ARMANDIA MACULATA	4		4	1			9	3	.20	92.11	1.50	1.975	-.57	3.57
67	PARASTEROPE LATA	3	1	1		3	1	9	5	.20	92.31	1.50	1.225	.21	2.79
68	BRANCHIOSTOMA CARIBAEUM		1	5	2	1		9	4	.20	92.51	1.50	1.871	-.46	3.46
69	DOSINIA ELEGANS	5		1	1			7	3	.16	92.67	1.17	1.941	-.87	3.20
70	CADULUS CAROLINENSIS		1	3	3			7	3	.16	92.83	1.17	1.472	-.38	2.71
71	AMPELISCA AGASSIZI		4		1	2		7	3	.16	92.98	1.17	1.602	-.51	2.85
72	CALLIANASSA BIFORMIS	3			2	2		7	3	.16	93.14	1.17	1.329	-.23	2.56
73	NEREIS LAMELLOSA	6					1	7	2	.16	93.30	1.17	2.401	-1.35	3.69
74	ARGISSA HAMATIPES	1		1	2	3		7	4	.16	93.45	1.17	1.169	-.06	2.39
75	VOLVULELLA PERSIMILIS	1		1	3	2		7	4	.16	93.61	1.17	1.169	-.06	2.39
76	PHOTIS SPB		2		2	1	1	6	4	.13	93.74	1.00	.894	.06	1.94
77	CAULLERIELLA SPB			6				6	1	.13	93.88	1.00	2.449	-1.57	3.57
78	VARICORBULA DISPARILIS				4	2		6	2	.13	94.01	1.00	1.673	-.76	2.76
79	ARICIDEA CF FRAGILIS	1		1	3	1		6	4	.13	94.15	1.00	1.095	-.15	2.15
80	ASYCHIS SP		1				5	6	2	.13	94.28	1.00	2.000	-1.10	3.10
81	PALEANOTUS HETEROSETA	2				3		5	2	.11	94.39	.83	1.329	-.56	2.23
82	ALBONEA GIBBESII		1	2	2			5	3	.11	94.50	.83	.983	-.20	1.87
83	ACTINIARIA SPE	1					4	5	2	.11	94.61	.83	1.602	-.85	2.51
84	TURBONILLA PORTORICANA		1		4			5	2	.11	94.73	.83	1.602	-.85	2.51
85	SABELLIDAE	1	1			1	2	5	4	.11	94.84	.83	.753	.04	1.62
86	LUMBRINERIS ALBIDENTATA			1	3	1		5	3	.11	94.95	.83	1.169	-.39	2.06
87	DIOPATRA PAPILLATA				5			5	1	.11	95.06	.83	2.041	-1.31	2.98
88	PARAONIS SPA		4					4	1	.09	95.15	.67	1.633	-1.05	2.38
89	TEREBELLIDAE		3		1			4	2	.09	95.24	.67	1.211	-.60	1.94
90	PINNOTHERIDAE	2	1			1		4	3	.09	95.33	.67	.816	-.19	1.52
91	AEDICIRA BELGICAE		1		3			4	2	.09	95.42	.67	1.211	-.60	1.94
92	CABIRA INCERTA				1		3	4	2	.09	95.51	.67	1.211	-.60	1.94
93	MICROSPIO PIGMENTATA	2	1	1				4	3	.09	95.60	.67	.816	-.19	1.52
94	SIGAMBRA TENTACULATA	1		1	2			4	3	.09	95.69	.67	.816	-.19	1.52
95	SERPULA VERMICULARIS	4						4	1	.09	95.78	.67	1.633	-1.05	2.38
96	ASTEROPELLA SPA				1	3		4	2	.09	95.87	.67	1.211	-.60	1.94
97	ARMANDIA AGILIS	1		1	2			4	3	.09	95.96	.67	.816	-.19	1.52
98	TEREBRA PROTEXTA	2	1	1				4	3	.09	96.04	.67	.816	-.19	1.52
99	EPITONIUM MULTISTRIATUM	3			1			4	2	.09	96.13	.67	1.211	-.60	1.94
100	ANACHIS CALLIGLYPTA	1	3					4	2	.09	96.22	.67	1.211	-.60	1.94
101	POECILOCHAETUS JOHNSONI		2	1			1	4	3	.09	96.31	.67	.816	-.19	1.52
102	DIOPATRA TRIDENTATA	2				1		3	2	.07	96.38	.50	.837	-.38	1.38
103	LEPTOCHELA SERRATORBITA		1		1	1		3	3	.07	96.45	.50	.548	-.07	1.07
104	EPITONIUM NOVANGLIAE		3					3	1	.07	96.51	.50	1.225	-.79	1.79
105	GLYCERA AMERICANA	2				1		3	2	.07	96.58	.50	.837	-.38	1.38
106	CIRRATULID-B			1	1		1	3	3	.07	96.65	.50	.548	-.07	1.07
107	LAONICE CIRRATA			2		1		3	2	.07	96.72	.50	.837	-.38	1.38
108	GLOTTIDIA PYRAMIDATA			2		1		3	2	.07	96.78	.50	.837	-.38	1.38
109	CHAETOZONE SETOSA				3			3	1	.07	96.85	.50	1.225	-.79	1.79
110	HYDROIDES PROTULICOLA	3						3	1	.07	96.92	.50	1.225	-.79	1.79
111	PECTINARIA CF GOULDII				3			3	1	.07	96.98	.50	1.225	-.79	1.79
112	NEREIDAE					1	2	3	2	.07	97.05	.50	.837	-.38	1.38
113	ONUPHIS NEBULOSA					1	2	3	2	.07	97.12	.50	.837	-.38	1.38
114	PITAR CORDATUS						3	3	1	.07	97.18	.50	1.225	-.79	1.79
115	AMPHARETE ACUTIFRONS	1		1	1			3	3	.07	97.25	.50	.548	-.07	1.07
116	SPIOPHANES SPA			2	1			3	2	.07	97.32	.50	.837	-.38	1.38

117	OLIVIDAE	2			1				3	2	.07	97.39	.50	.837	-.38	1.38
118	MINUSPIO CIRRIFERA	1			2				3	2	.07	97.45	.50	.837	-.38	1.38
119	NOTOMASTUS CF LATERICEUS					2			2	1	.04	97.50	.33	.816	-.52	1.19
120	PERIPLOMA ORBICULARE				2				2	1	.04	97.54	.33	.816	-.52	1.19
121	ALIGENA TEXASIANA		2						2	1	.04	97.59	.33	.816	-.52	1.19
122	GYMNOBLASTEA	1			1				2	2	.04	97.63	.33	.516	-.21	.88
123	SCOLOPLOS RUBRA	1						1	2	2	.04	97.68	.33	.516	-.21	.88
124	VOLVULELLA TEXASIANA		1					1	2	2	.04	97.72	.33	.516	-.21	.88
125	NEPHTYS INCISA	2							2	1	.04	97.77	.33	.816	-.52	1.19
126	ONUPHIS SPF			2					2	1	.04	97.81	.33	.816	-.52	1.19
127	NUCULANA ACUTA			1	1				2	2	.04	97.85	.33	.516	-.21	.88
128	BRYOZOA		1		1				2	2	.04	97.90	.33	.516	-.21	.88
129	APSEUDES SPA	1						1	2	2	.04	97.94	.33	.516	-.21	.88
130	NASSARIIDAE				2				2	1	.04	97.99	.33	.816	-.52	1.19
131	NEREID(NICON) SPA	2							2	1	.04	98.03	.33	.816	-.52	1.19
132	CAECUM PULCHELLUM				2				2	1	.04	98.08	.33	.816	-.52	1.19
133	SCOLELEPIS TEXANA				2				2	1	.04	98.12	.33	.816	-.52	1.19
134	SCHISTOMERINGOS RUDOLPHI	1				1			2	2	.04	98.17	.33	.516	-.21	.88
135	ASTEROPTERON OCULITRISTIS	1		1					2	2	.04	98.21	.33	.516	-.21	.88
136	FINELLA DUBIA				2				2	1	.04	98.26	.33	.816	-.52	1.19
137	ONUPHIS EREMITA		1			1			2	2	.04	98.30	.33	.516	-.21	.88
138	POLYDORA SP	1	1						2	2	.04	98.35	.33	.516	-.21	.88
139	COROPHIID SPA	1		1					2	2	.04	98.39	.33	.516	-.21	.88
140	SERPULIDAE	2							2	1	.04	98.44	.33	.816	-.52	1.19
141	ONUPHIS SPA		1			1			2	2	.04	98.48	.33	.516	-.21	.88
142	GYPTIS VITTATA		1			1			2	2	.04	98.53	.33	.516	-.21	.88
143	TEREBELLIDES STROEMII			1				1	2	2	.04	98.57	.33	.516	-.21	.88
144	SPIOPHANES SP		2						2	1	.04	98.61	.33	.816	-.52	1.19
145	CERATOCEPHALE OCULATA		1	1					2	2	.04	98.66	.33	.516	-.21	.88
146	MUSCULUS LATERALIS	2							2	1	.04	98.70	.33	.816	-.52	1.19
147	CIRRATULIDAE							1	1	1	.02	98.73	.17	.408	-.26	.60
148	AUTOMATE EVERMANNI	1							1	1	.02	98.75	.17	.408	-.26	.60
149	HAMINOEA SUCCINEA							1	1	1	.02	98.77	.17	.408	-.26	.60
150	ACTINIARIA SPA		1						1	1	.02	98.79	.17	.408	-.26	.60
151	CAECUM IMBRICATUM				1				1	1	.02	98.82	.17	.408	-.26	.60
152	PAGURIDAE		1						1	1	.02	98.84	.17	.408	-.26	.60
153	CAPITELLID SPC	1							1	1	.02	98.86	.17	.408	-.26	.60
154	ERIOPISA SPB		1						1	1	.02	98.88	.17	.408	-.26	.60
155	HEMICYCLOPS SP	1							1	1	.02	98.91	.17	.408	-.26	.60
156	XANTHIDAE	1							1	1	.02	98.93	.17	.408	-.26	.60
157	DIOGENIDAE	1							1	1	.02	98.95	.17	.408	-.26	.60
158	GOULDIA CERINA		1						1	1	.02	98.97	.17	.408	-.26	.60
159	ONUPHIS PERUANA			1					1	1	.02	98.99	.17	.408	-.26	.60
160	CAPITELLIDAE				1				1	1	.02	99.02	.17	.408	-.26	.60
161	LUMBRINERIS SP	1							1	1	.02	99.04	.17	.408	-.26	.60
162	AMPHILOCHUS SP							1	1	1	.02	99.06	.17	.408	-.26	.60
163	HARBANSUS PAUCICHELATUS	1							1	1	.02	99.08	.17	.408	-.26	.60
164	LEPIDONOTUS SUBLEVIS	1							1	1	.02	99.11	.17	.408	-.26	.60
165	HYDROZOA		1						1	1	.02	99.13	.17	.408	-.26	.60
166	POLYNOIDAE			1					1	1	.02	99.15	.17	.408	-.26	.60
167	CHONE SP			1					1	1	.02	99.17	.17	.408	-.26	.60
168	ORBINIIDAE	1							1	1	.02	99.20	.17	.408	-.26	.60
169	VITRINELLA FLORIDANA					1			1	1	.02	99.22	.17	.408	-.26	.60
170	GATTYANA NOTTI					1			1	1	.02	99.24	.17	.408	-.26	.60
171	LOVENELLA GRANDIS			1					1	1	.02	99.26	.17	.408	-.26	.60
172	THARYX SPB	1							1	1	.02	99.28	.17	.408	-.26	.60
173	EULIMA BIFASCIATA				1				1	1	.02	99.31	.17	.408	-.26	.60
174	NASSARIUS ACUTUS				1				1	1	.02	99.33	.17	.408	-.26	.60
175	ARCINELLA CORNUTA	1							1	1	.02	99.35	.17	.408	-.26	.60
176	PORTUNUS GIBBESII					1			1	1	.02	99.37	.17	.408	-.26	.60
177	ANCISTROSYLLIS JONESI	1							1	1	.02	99.40	.17	.408	-.26	.60
178	TURBONILLA SP	1							1	1	.02	99.42	.17	.408	-.26	.60

179	AMPELISCA ABDITA	1							1	1	.02	99.44	.17	.408	-.26	.60
180	PISTA CRISTATA		1						1	1	.02	99.46	.17	.408	-.26	.60
181	CYCLASPIS SPB	1							1	1	.02	99.49	.17	.408	-.26	.60
182	CIRROPHORUS LYRIFORMIS				1				1	1	.02	99.51	.17	.408	-.26	.60
183	SARSIELLA SPINOSA	1							1	1	.02	99.53	.17	.408	-.26	.60
184	NEPHTYS MAGELLANICA							1	1	1	.02	99.55	.17	.408	-.26	.60
185	EUCERAMUS PRAELONGUS	1							1	1	.02	99.58	.17	.408	-.26	.60
186	OBELIA SPA					1			1	1	.02	99.60	.17	.408	-.26	.60
187	SIGAMBRA SP	1							1	1	.02	99.62	.17	.408	-.26	.60
188	DORVILLEIDAE	1							1	1	.02	99.64	.17	.408	-.26	.60
189	ETEONE ALBA			1					1	1	.02	99.66	.17	.408	-.26	.60
190	LYONSIA HYALINA FLORIDANA							1	1	1	.02	99.69	.17	.408	-.26	.60
191	NEPHTYS PICTA				1				1	1	.02	99.71	.17	.408	-.26	.60
192	DRILONEREIS MAGNA	1							1	1	.02	99.73	.17	.408	-.26	.60
193	PECTINARIA SP					1			1	1	.02	99.75	.17	.408	-.26	.60
194	TELLINA AEQUISTRIATA				1				1	1	.02	99.78	.17	.408	-.26	.60
195	CALLIANASSA SP			1					1	1	.02	99.80	.17	.408	-.26	.60
196	HEXAPANOPEUS ANGUSTIFRONS							1	1	1	.02	99.82	.17	.408	-.26	.60
197	NEOMEGAMPHOPUS SP			1					1	1	.02	99.84	.17	.408	-.26	.60
198	ASYCHIS ELONGATA			1					1	1	.02	99.87	.17	.408	-.26	.60
199	PSEUDEURYTHOE AMBIGUA					1			1	1	.02	99.89	.17	.408	-.26	.60
200	SIGALIONIDAE		1						1	1	.02	99.91	.17	.408	-.26	.60
201	NUCULA PROXIMA				1				1	1	.02	99.93	.17	.408	-.26	.60
202	PROCESSA HEMPHILLI			1					1	1	.02	99.96	.17	.408	-.26	.60
203	PHYLLODOCE MUCOSA	1							1	1	.02	99.98	.17	.408	-.26	.60
204	NOTOMASTUS CF AMERICANUS	1							1	1	.02	100.00	.17	.408	-.26	.60

NO. OF SPECIES	115	81	88	104	86	69	
NO. OF INDIVIDUALS	1177	412	852	842	767	425	4475

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	III	204	4475	5.6389	.9544	.3725

STATION 5 TRANSECT III PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA	5	10	11	10	16	5	57	6	36.08	36.08	9.50	4.135	5.16	13.84
2	NEPHTYS INCISA	6	3	3	2	4		18	5	11.39	47.47	3.00	2.000	.90	5.10
3	NEMERTINEA		3		1	10	1	15	4	9.49	56.96	2.50	3.834	-1.52	6.52
4	PARAONIS GRACILIS	1	2		4		1	8	4	5.06	62.03	1.33	1.506	-.25	2.91
5	CORBULA SWIFTIANA	1				1	4	6	3	3.80	65.82	1.00	1.549	-.63	2.63
6	NOTOMASTUS CF LATERICEUS		1		1	1	3	6	4	3.80	69.62	1.00	1.095	-.15	2.15
7	LUMBRINERIS PARVAPEDATA		2			2	1	5	3	3.16	72.78	.83	.983	-.20	1.87
8	MAGELONA LONGICORNIS	1			2		1	4	3	2.53	75.32	.67	.816	-.19	1.52
9	VOLVOLELLA TEXASIANA		1			1	2	4	3	2.53	77.85	.67	.816	-.19	1.52
10	HYALA SPA			3		1		4	2	2.53	80.38	.67	1.211	-.60	1.94
11	CIRROPHORUS LYRIFORMIS				2	1		3	2	1.90	82.28	.50	.837	-.38	1.38
12	MEDIOMASTUS CALIFORNIENSIS	1					2	3	2	1.90	84.18	.50	.837	-.38	1.38
13	AMPELISCA VERRILLI			1		1	1	3	3	1.90	86.08	.50	.548	-.07	1.07
14	THARYX MARIONI				1	2		3	2	1.90	87.97	.50	.837	-.38	1.38
15	SPIONIDAE	2	1					3	2	1.90	89.87	.50	.837	-.38	1.38
16	PARAONIDAE	1			1			2	2	1.27	91.14	.33	.516	-.21	.88
17	ALPHEUS SP	1		1				2	2	1.27	92.41	.33	.516	-.21	.88
18	APSEUDES SPA	1					1	2	2	1.27	93.67	.33	.516	-.21	.88
19	EUDORELLA MONODON	1				1		2	2	1.27	94.94	.33	.516	-.21	.88
20	COSSURA DELTA		1			1		2	2	1.27	96.20	.33	.516	-.21	.88
21	MINUSPIO LONGIBRANCHIATA					1		1	1	.63	96.84	.17	.408	-.26	.60
22	DRILONEREIS MAGNA			1				1	1	.63	97.47	.17	.408	-.26	.60
23	HYDROZOA						1	1	1	.63	98.10	.17	.408	-.26	.60
24	GLYCINDE NORDMANNI	1						1	1	.63	98.73	.17	.408	-.26	.60
25	OBELIA SPA						1	1	1	.63	99.37	.17	.408	-.26	.60
26	CERIANTHARIA		1					1	1	.63	100.00	.17	.408	-.26	.60

	1	2	3	4	5	6	
NO. OF SPECIES	12	10	6	9	14	13	
NO. OF INDIVIDUALS	22	25	20	24	43	24	158

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	III	26	158	3.5721	.8420	.6923

STATION 6 TRANSECT III PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SANGUINOLARIA SANGUINOLENTA						46	46	1	23.23	23.23	7.67	18.779	-12.04	27.38
2	SIPUNCULA	2	11	4	7	1	5	30	6	15.15	38.38	5.00	3.633	1.19	8.81
3	PARAONIS GRACILIS	1	1	1	3	2	3	11	6	5.56	43.94	1.83	.983	.80	2.87
4	NEMERTINEA	7			3		1	11	3	5.56	49.49	1.83	2.787	-1.09	4.76
5	SIGAMBRA TENTACULATA	2	1	2	2			7	4	3.54	53.03	1.17	.983	.13	2.20
6	ALTERNOCHELATA SPA			3		2	2	7	3	3.54	56.57	1.17	1.329	-.23	2.56
7	PARAONIS SPA		1	3	2		1	7	4	3.54	60.10	1.17	1.169	-.06	2.39
8	OSTRACOD SPAA			4			2	6	2	3.03	63.13	1.00	1.673	-.76	2.76
9	BYBLIS CF AFFINIS			3			1	4	2	2.02	65.15	.67	1.211	-.60	1.94
10	SYLLIS SPC			1	1		1	3	3	1.52	66.67	.50	.548	-.07	1.07
11	TETRAGONODON SPA			2			1	3	2	1.52	68.18	.50	.837	-.38	1.38
12	PHILOMEDES SPA			1			2	3	2	1.52	69.70	.50	.837	-.38	1.38
13	PARALACYDONIA PARADOXA	2		1				3	2	1.52	71.21	.50	.837	-.38	1.38
14	AMPELISCA SPA	1			1	1		3	3	1.52	72.73	.50	.548	-.07	1.07
15	CUMACEAN SPF			1		1		2	2	1.01	73.74	.33	.516	-.21	.88
16	OLIGOCHAETA	1			1			2	2	1.01	74.75	.33	.516	-.21	.88
17	COSSURA DELTA	1		1				2	2	1.01	75.76	.33	.516	-.21	.88
18	STERNASPIS SCUTATA				1		1	2	2	1.01	76.77	.33	.516	-.21	.88
19	DENTALIUM SOWERBYI		1	1				2	2	1.01	77.78	.33	.516	-.21	.88
20	LUMBRINERIS PARVAPEDATA	1		1				2	2	1.01	78.79	.33	.516	-.21	.88
21	ARMANDIA MACULATA						2	2	1	1.01	79.80	.33	.816	-.52	1.19
22	SABELLIDAE			1		1		2	2	1.01	80.81	.33	.516	-.21	.88
23	HETEROPHOXUS CF OCULATUS	1		1				2	2	1.01	81.82	.33	.516	-.21	.88
24	HYDROZOA	1						1	1	.51	82.32	.17	.408	-.26	.60
25	NINOE NIGRIPES		1					1	1	.51	82.83	.17	.408	-.26	.60
26	PROCHAETODERMA SPA			1				1	1	.51	83.33	.17	.408	-.26	.60
27	AGLAOPHAMUS CIRCINATA		1					1	1	.51	83.84	.17	.408	-.26	.60
28	EUDORELLA MONODON	1						1	1	.51	84.34	.17	.408	-.26	.60
29	SCUTOPUS SPA			1				1	1	.51	84.85	.17	.408	-.26	.60
30	THYASIRA PYGMAEA			1				1	1	.51	85.35	.17	.408	-.26	.60
31	FALCIDENS SPA			1				1	1	.51	85.86	.17	.408	-.26	.60
32	THARYX MARIONI	1						1	1	.51	86.36	.17	.408	-.26	.60
33	TANAID SPK						1	1	1	.51	86.87	.17	.408	-.26	.60
34	NEPHTYS INCISA			1				1	1	.51	87.37	.17	.408	-.26	.60
35	OBELIA SPA	1						1	1	.51	87.88	.17	.408	-.26	.60
36	STENOTHOE SP		1					1	1	.51	88.38	.17	.408	-.26	.60
37	PITAR CORDATUS		1					1	1	.51	88.89	.17	.408	-.26	.60
38	ASYCHIS SP	1						1	1	.51	89.39	.17	.408	-.26	.60
39	VOLVULELLA PERSIMILIS		1					1	1	.51	89.90	.17	.408	-.26	.60
40	DIOPATRA CUPREA		1					1	1	.51	90.40	.17	.408	-.26	.60
41	NOTOMASTUS AMERICANUS					1		1	1	.51	90.91	.17	.408	-.26	.60
42	MEDIOMASTUS CALIFORNIENSIS			1				1	1	.51	91.41	.17	.408	-.26	.60
43	MOIRA ATROPOS						1	1	1	.51	91.92	.17	.408	-.26	.60
44	STHENOLEPIS CF JAPONICA						1	1	1	.51	92.42	.17	.408	-.26	.60
45	ONUPHIDAE						1	1	1	.51	92.93	.17	.408	-.26	.60
46	NOTOMASTUS CF LATERICEUS		1					1	1	.51	93.43	.17	.408	-.26	.60
47	GNATHIA SP					1		1	1	.51	93.94	.17	.408	-.26	.60
48	SAMYTHELLA ELIASONI					1		1	1	.51	94.44	.17	.408	-.26	.60
49	CYCLOCARDIA ARMILLA	1						1	1	.51	94.95	.17	.408	-.26	.60
50	VOLVULELLA TEXASIANA				1			1	1	.51	95.45	.17	.408	-.26	.60
51	PILARGIS BERKELYAE					1		1	1	.51	95.96	.17	.408	-.26	.60
52	PARAMPHINOME PULCHELLA						1	1	1	.51	96.46	.17	.408	-.26	.60
53	SCAPHOPODA					1		1	1	.51	96.97	.17	.408	-.26	.60
54	OSTRACOD SPD						1	1	1	.51	97.47	.17	.408	-.26	.60

55	TEREBELLIDES STROEMII			1			1	1	.51	97.98	.17	.408	-.26	.60
56	SPIOPHANES WIGLEYI			1			1	1	.51	98.48	.17	.408	-.26	.60
57	HAMINOEA SUCCINEA				1		1	1	.51	98.99	.17	.408	-.26	.60
58	XENANTHURA BREVITELSON					1	1	1	.51	99.49	.17	.408	-.26	.60
59	CIRROPHORUS LYRIFORMIS			1			1	1	.51	100.00	.17	.408	-.26	.60

NO. OF SPECIES	16	12	23	13	12	20	
NO. OF INDIVIDUALS	25	22	37	25	14	75	198

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	III	59	198	4.5984	.9134	.6271

STATION 1 TRANSECT IV PERIOD 77FALL

SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1 LUMBRINERIS PARVAPEDATA	26	9	28	58	14	38	173	6	10.21	10.21	28.83	17.646	10.31	47.35
2 SIPUNCULA	12	25	21	37	20	39	154	6	9.09	19.29	25.67	10.463	14.69	36.65
3 NEREIO(NICON) SPA	9	16	20	40	10	32	127	6	7.49	26.78	21.17	12.432	8.12	34.22
4 PRIONOSPIO STEENSTRUPI	10	3	6	27	10	21	77	6	4.54	31.33	12.83	9.239	3.14	22.53
5 SPIONIDAE	1	12	4	16	14	15	62	6	3.66	34.99	10.33	6.282	3.74	16.93
6 TELLINA VERSICOLOR	10	11	15	7	4	6	55	6	3.24	38.23	9.17	3.764	5.22	13.12
7 CORBULA SWIFTIANA	4	5	19	12	11	2	53	6	3.13	41.36	8.83	6.369	2.15	15.52
8 THARYX ANNULOSUS	2	7	2	15	10	13	49	6	2.89	44.25	8.17	5.492	2.40	13.93
9 THARYX MARIONI	4	3	9	18		11	45	5	2.65	46.90	7.50	6.535	.64	14.36
10 MALDANIDAE	1	6	4	9	6	13	39	6	2.30	49.20	6.50	4.135	2.16	10.84
11 NEMERTINEA	3	1	6	7	6	15	38	6	2.24	51.45	6.33	4.803	1.29	11.37
12 NUCULANA ACUTA	2	2	6	3	2	15	30	6	1.77	53.22	5.00	5.138	-.39	10.39
13 POLYCHAETE SPA	6	2		10	9	2	29	5	1.71	54.93	4.83	4.119	.51	9.16
14 CAECUM PULCHELLUM				13	4	11	28	3	1.65	56.58	4.67	5.922	-1.55	10.88
15 NOTOMASTUS CF LATERICEUS	1	11	7	2	2	5	28	6	1.65	58.23	4.67	3.830	.65	8.69
16 ASYCHIS SP	1	5	4	1	6	8	25	6	1.47	59.71	4.17	2.787	1.24	7.09
17 MAGELONA PETTIBONEAE	4	2	1	8	3	6	24	6	1.42	61.12	4.00	2.608	1.26	6.74
18 PARAPRIONOSPIO PINNATA	1	2	8	6	3	3	23	6	1.36	62.48	3.83	2.639	1.06	6.60
19 MAGELONA PHYLLISAE	2	7	3	5	3	3	23	6	1.36	63.83	3.83	1.835	1.91	5.76
20 MEDIOMASTUS CALIFORNIENSIS	5	1		11	3	2	22	5	1.30	65.13	3.67	3.983	-.51	7.85
21 TEREBELLIDES STROEMII	1	3	6	3	4	3	20	6	1.18	66.31	3.33	1.633	1.62	5.05
22 AMPELISCA VERRILLI	1		7	3		8	19	4	1.12	67.43	3.17	3.545	-.55	6.89
23 AMPELISCA CF CRISTATA	1	1	5	8		3	18	5	1.06	68.50	3.00	3.033	-.18	6.18
24 PARAONIDES LYRA	3		1	6	1	6	17	5	1.00	69.50	2.83	2.639	.06	5.60
25 DIOPATRA TRIDENTATA	1	1	10	1	2	2	17	6	1.00	70.50	2.83	3.545	-.89	6.55
26 LUMBRINERIS ALBIDENTATA	4	2		5	4	2	17	5	1.00	71.50	2.83	1.835	.91	4.76
27 COSSURA DELTA	3	2	4	2	2	3	16	6	.94	72.45	2.67	.816	1.81	3.52
28 CERATONEREIS IRRITABILIS			5	6	2	3	16	4	.94	73.39	2.67	2.503	.04	5.29
29 PARAONIS GRACILIS	3	4		5		3	15	4	.88	74.28	2.50	2.074	.32	4.68
30 SPIOPHANES SPA	2	3		3	4	3	15	5	.88	75.16	2.50	1.376	1.05	3.95
31 ONUPHIS SPA	1	2	4	1	2	4	14	6	.83	75.99	2.33	1.366	.90	3.77
32 PARAONIDAE			6	2	3	2	13	4	.77	76.76	2.17	2.229	-.17	4.51
33 VARICORBULA DISPARILIS			4	1	1	6	12	4	.71	77.46	2.00	2.449	-.57	4.57
34 LUMBRINERIS TENUIS	2	1	1	1	3	2	10	6	.59	78.05	1.67	.816	.81	2.52
35 CERATOCEPHALE OCULATA		1		7		2	10	3	.59	78.64	1.67	2.733	-1.20	4.53
36 CHAETOZONE GAYHEADIA			3			6	9	2	.53	79.17	1.50	2.510	-1.13	4.13
37 DIPLODONTA CF SOROR	1	1	3	2		2	9	5	.53	79.71	1.50	1.049	.40	2.60
38 ARMANDIA MACULATA				1	1	7	9	3	.53	80.24	1.50	2.739	-1.37	4.37
39 MELINNA MACULATA		1	5	1	2		9	4	.53	80.77	1.50	1.871	-.46	3.46
40 NOTOMASTUS AMERICANUS	1		2		2	3	8	4	.47	81.24	1.33	1.211	.06	2.60
41 ARICIDEA TAYLORI	2	1		2	1	2	8	5	.47	81.71	1.33	.816	.48	2.19
42 DIOPATRA SP			5		1	2	8	3	.47	82.18	1.33	1.966	-.73	3.40
43 ONUPHIDAE	1		2	2	3		8	4	.47	82.65	1.33	1.211	.06	2.60
44 NUCULA PROXIMA			1	1		6	8	3	.47	83.13	1.33	2.338	-1.12	3.79
45 ABRA AEQUALIS				2	1	5	8	3	.47	83.60	1.33	1.966	-.73	3.40
46 CIRRATULID-B		3		4	1		8	3	.47	84.07	1.33	1.751	-.50	3.17
47 ASYCHIS ELONGATA			1		2	4	7	3	.41	84.48	1.17	1.602	-.51	2.85
48 LUMBRINERIS CF MAGALHAENSIS			3	1	1	2	7	4	.41	84.90	1.17	1.169	-.06	2.39
49 ACTEOCINA CANDEI			1	4	1	1	7	4	.41	85.31	1.17	1.472	-.38	2.71
50 AMPELISCA ABDITA	2		3			2	7	3	.41	85.72	1.17	1.329	-.23	2.56
51 ARICIDEA CF FRAGILIS		1	2			4	7	3	.41	86.14	1.17	1.602	-.51	2.85
52 GLOTTIDIA PYRAMIDATA		2		2	1	2	7	4	.41	86.55	1.17	.983	.13	2.20
53 AMPELISCA SPB			2	2		2	6	3	.35	86.90	1.00	1.095	-.15	2.15
54 ISOLDA PULCHELLA	1	1		1	2	1	6	5	.35	87.26	1.00	.632	.34	1.66

55	CAULLERIELLA SPB				5		1	6	2	.35	87.61	1.00	2.000	-1.10	3.10
56	DRILONEREIS MAGNA		2		2	1	1	6	4	.35	87.96	1.00	.894	.06	1.94
57	SCOLOPLOS RUBRA	1	2		1		1	5	4	.29	88.26	.83	.753	.04	1.62
58	ZOANTHARIA			1	1	3		5	3	.29	88.55	.83	1.169	-.39	2.06
59	NEPHTYS PICTA			2	1		2	5	3	.29	88.85	.83	.983	-.20	1.87
60	MICROSPIO PIGMENTATA			3	1	1		5	3	.29	89.14	.83	1.169	-.39	2.06
61	LUMBRINERIS JANUARII	2		1			2	5	3	.29	89.44	.83	.983	-.20	1.87
62	HARRANSUS PAUCICHELATUS			1	2		2	5	3	.29	89.73	.83	.983	-.20	1.87
63	NOTOMASTUS HEMIPODUS	1	3		1			5	3	.29	90.03	.83	1.169	-.39	2.06
64	CYLICHNA BIDENTATA		1	1	1	1		4	4	.24	90.27	.67	.516	.12	1.21
65	CAPITELLID SPB	1		2			1	4	3	.24	90.50	.67	.816	-.19	1.52
66	TEREBELLIDAE					2	2	4	2	.24	90.74	.67	1.033	-.42	1.75
67	DIOPATRA CUPREA			3			1	4	2	.24	90.97	.67	1.211	-.60	1.94
68	DRILONEREIS FILUM			4				4	1	.24	91.21	.67	1.633	-1.05	2.38
69	CAECUM IMBRICATUM				2		2	4	2	.24	91.45	.67	1.033	-.42	1.75
70	GYPTIS VITTATA			1	3			4	2	.24	91.68	.67	1.211	-.60	1.94
71	STHENELAIS BOA			2	2			4	2	.24	91.92	.67	1.033	-.42	1.75
72	AMPELISCA AGASSIZI	2		2				4	2	.24	92.15	.67	1.033	-.42	1.75
73	LUCINA AMIANTUS			1	2		1	4	3	.24	92.39	.67	.816	-.19	1.52
74	CLYMENELLA TORQUATA	1				3		4	2	.24	92.63	.67	1.211	-.60	1.94
75	GLYCERA AMERICANA		2		1	1		4	3	.24	92.86	.67	.816	-.19	1.52
76	DENTALIUM TEXASIANUM				4			4	1	.24	93.10	.67	1.633	-1.05	2.38
77	AMPHARETE ACUTIFRONS	1			1	1	1	4	4	.24	93.33	.67	.516	.12	1.21
78	CARIDEA			2	2			4	2	.24	93.57	.67	1.033	-.42	1.75
79	CAPITELLID SPC				2	2		4	2	.24	93.81	.67	1.033	-.42	1.75
80	OPHIUROIDEA		1	1		1		3	3	.18	93.98	.50	.548	-.07	1.07
81	STHENELAIS SP						3	3	1	.18	94.16	.50	1.225	-.79	1.79
82	ARICIDEA JEFFREYSII			2			1	3	2	.18	94.34	.50	.837	-.38	1.38
83	AEDICIRA BELGICAE	2			1			3	2	.18	94.51	.50	.837	-.38	1.38
84	OWENIA FUSIFORMIS	1			1		1	3	3	.18	94.69	.50	.548	-.07	1.07
85	ONCIOLA SERRATA			1	2			3	2	.18	94.87	.50	.837	-.38	1.38
86	DIOPATRA CF NEOTRIDENS				2		1	3	2	.18	95.04	.50	.837	-.38	1.38
87	MAGELONA ROSEA		2		1			3	2	.18	95.22	.50	.837	-.38	1.38
88	AUTOMATE SP					1	1	2	2	.12	95.34	.33	.516	-.21	.88
89	ONUPHIS NEBULOSA		2					2	1	.12	95.46	.33	.816	-.52	1.19
90	NATICA CANRENA				1		1	2	2	.12	95.58	.33	.516	-.21	.88
91	CAPITELLIDAE				1	1		2	2	.12	95.69	.33	.516	-.21	.88
92	SPIOPHANES BOMBYX			2				2	1	.12	95.81	.33	.816	-.52	1.19
93	OBELIA SPA			1			1	2	2	.12	95.93	.33	.516	-.21	.88
94	GONIADIDAE			1		1		2	2	.12	96.05	.33	.516	-.21	.88
95	AGLAOPHAMUS CIRCINATA						2	2	1	.12	96.17	.33	.816	-.52	1.19
96	CRASSINELLA LUNULATA			1			1	2	2	.12	96.28	.33	.516	-.21	.88
97	TEREBRA PROTEXTA	2						2	1	.12	96.40	.33	.816	-.52	1.19
98	ANCISTROSYLLIS PAPILLOSA					1	1	2	2	.12	96.52	.33	.516	-.21	.88
99	ERIOPISA SPB			1		1		2	2	.12	96.64	.33	.516	-.21	.88
100	PHYLLODOCE MUCOSA				2			2	1	.12	96.76	.33	.816	-.52	1.19
101	EXOGONE SPA				2			2	1	.12	96.87	.33	.816	-.52	1.19
102	LUMBRINERIDAE	2						2	1	.12	96.99	.33	.816	-.52	1.19
103	FINELLA DUBIA				1		1	2	2	.12	97.11	.33	.516	-.21	.88
104	CABIRA INCERTA					1		1	1	.06	97.17	.17	.408	-.26	.60
105	AMPHARETIDAE			1				1	1	.06	97.23	.17	.408	-.26	.60
106	CLYTIA LONGICYATHA					1		1	1	.06	97.29	.17	.408	-.26	.60
107	SCHISTOMERINGOS RUDOLPHI			1				1	1	.06	97.35	.17	.408	-.26	.60
108	NEREIS LAMELLOSA				1			1	1	.06	97.40	.17	.408	-.26	.60
109	SPIOCHAETOPTERUS COSTARUM	1						1	1	.06	97.46	.17	.408	-.26	.60
110	PERIPLOMA ORBICULARE						1	1	1	.06	97.52	.17	.408	-.26	.60
111	PROCESSA HEMPHILLI				1			1	1	.06	97.58	.17	.408	-.26	.60
112	GYMNOBLASTEA				1			1	1	.06	97.64	.17	.408	-.26	.60
113	PHOTIS SPB						1	1	1	.06	97.70	.17	.408	-.26	.60
114	MARPHYSA SPE			1				1	1	.06	97.76	.17	.408	-.26	.60
115	SARSIELLA DISPARALIS				1			1	1	.06	97.82	.17	.408	-.26	.60
116	PHILINE SAGRA						1	1	1	.06	97.88	.17	.408	-.26	.60

117	POLYCIRRUS SPA			1				1	1	.06	97.94	.17	.408	-.26	.60
118	NEPHTYS MAGELLANICA					1		1	1	.06	97.99	.17	.408	-.26	.60
119	SABELLIDAE			1				1	1	.06	98.05	.17	.408	-.26	.60
120	CIRRATULIDAE						1	1	1	.06	98.11	.17	.408	-.26	.60
121	NEREIS SPA	1						1	1	.06	98.17	.17	.408	-.26	.60
122	AMPHICIEIS GUNNERI					1		1	1	.06	98.23	.17	.408	-.26	.60
123	EUCERAMUS PRAELONGUS			1				1	1	.06	98.29	.17	.408	-.26	.60
124	PHOTIS MACROMANUS						1	1	1	.06	98.35	.17	.408	-.26	.60
125	HEMICYCLOPS SP				1			1	1	.06	98.41	.17	.408	-.26	.60
126	ORBINIIDAE			1				1	1	.06	98.47	.17	.408	-.26	.60
127	SCOLOPLOS TEXANA						1	1	1	.06	98.53	.17	.408	-.26	.60
128	GLYCERA PAPILLOSA			1				1	1	.06	98.58	.17	.408	-.26	.60
129	SPIOPHANES SP			1				1	1	.06	98.64	.17	.408	-.26	.60
130	SABELLARIA VULGARIS				1			1	1	.06	98.70	.17	.408	-.26	.60
131	VOLVULELLA PERSIMILIS						1	1	1	.06	98.76	.17	.408	-.26	.60
132	NEPHTYS INCISA	1						1	1	.06	98.82	.17	.408	-.26	.60
133	VITRINELLA FLORIDANA						1	1	1	.06	98.88	.17	.408	-.26	.60
134	HYDROIDES PROTULICOLA				1			1	1	.06	98.94	.17	.408	-.26	.60
135	RENILLA MULLERI					1		1	1	.06	99.00	.17	.408	-.26	.60
136	PALEANOTUS HETEROSETA				1			1	1	.06	99.06	.17	.408	-.26	.60
137	HESIONIDAE	1						1	1	.06	99.12	.17	.408	-.26	.60
138	PISTA CRISTATA			1				1	1	.06	99.17	.17	.408	-.26	.60
139	PRIONOSPIO CRISTATA				1			1	1	.06	99.23	.17	.408	-.26	.60
140	CHIONE SP						1	1	1	.06	99.29	.17	.408	-.26	.60
141	LISTRIELLA BARNARDI			1				1	1	.06	99.35	.17	.408	-.26	.60
142	AMAEANA TRILOBATA				1			1	1	.06	99.41	.17	.408	-.26	.60
143	PINNOTHERIDAE					1		1	1	.06	99.47	.17	.408	-.26	.60
144	MEGALOMMA CF QUADRIOCULATUM					1		1	1	.06	99.53	.17	.408	-.26	.60
145	MACOMA TENTA		1					1	1	.06	99.59	.17	.408	-.26	.60
146	DIPLODONTA SPA		1					1	1	.06	99.65	.17	.408	-.26	.60
147	STHENOLEPIS CF JAPONICA		1					1	1	.06	99.71	.17	.408	-.26	.60
148	HIPPOMEDON CF SERRATUS			1				1	1	.06	99.76	.17	.408	-.26	.60
149	SARSIELLA SPF				1			1	1	.06	99.82	.17	.408	-.26	.60
150	KURTZIELLA CF RUBELLA					1		1	1	.06	99.88	.17	.408	-.26	.60
151	LAONICE CIRRATA		1					1	1	.06	99.94	.17	.408	-.26	.60
152	CERATOCEPHALE CF OCULATA			1				1	1	.06	100.00	.17	.408	-.26	.60

NO. OF SPECIES	51	48	76	87	66	83	
NO. OF INDIVIDUALS	154	179	298	443	216	405	1695

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	IV	152	1695	5.7622	.9643	.5461

	SPECIES	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF LIM	
1	NEMERTINEA	3	3	7	11		1	25	5	11.79	11.79	4.17	4.119	-.16	8.49
2	PARAONIS GRACILIS	2	5	1	6	2	4	20	6	9.43	21.23	3.33	1.966	1.27	5.40
3	PARAPRIONOSPIO PINNATA	2	5	2	2	1	6	18	6	8.49	29.72	3.00	2.000	.90	5.10
4	NEPHTYS INCISA	4	3	2			3	12	4	5.66	35.38	2.00	1.673	.24	3.76
5	COSSURA DELTA	1	6		1	3		11	4	5.19	40.57	1.83	2.317	-.60	4.26
6	MAGELONA LONGICORNIS	2	3	1			2	8	4	3.77	44.34	1.33	1.211	.06	2.60
7	SIPUNCULA		2	2	2	1		7	4	3.30	47.64	1.17	.983	.13	2.20
8	POLYCHAETE SPA			6		1		7	2	3.30	50.94	1.17	2.401	-1.35	3.69
9	SPIONIDAE	4			3			7	2	3.30	54.25	1.17	1.835	-.76	3.09
10	PHORONIDA			7				7	1	3.30	57.55	1.17	2.858	-1.83	4.17
11	PARAONIS SPA			3	2		2	7	3	3.30	60.85	1.17	1.329	-.23	2.56
12	HETEROPHOXUS CF OCULATUS	1	2	1	1	1	1	7	6	3.30	64.15	1.17	.408	.74	1.60
13	CORBULA SWIFTIANA			1	1		3	5	3	2.36	66.51	.83	1.169	-.39	2.06
14	PARAONIDAE	1		2			1	4	3	1.89	68.40	.67	.816	-.19	1.52
15	THYASIRA SPA		1		1		2	4	3	1.89	70.28	.67	.816	-.19	1.52
16	OPHIUROIDEA	1	1	1			1	4	4	1.89	72.17	.67	.516	.12	1.21
17	NOTOMASTUS CF LATERICEUS			2		1		3	2	1.42	73.58	.50	.837	-.38	1.38
18	PINNOTHERIDAE			1	1		1	3	3	1.42	75.00	.50	.548	-.07	1.07
19	ARICIDEA NEOSUECICA				2		1	3	2	1.42	76.42	.50	.837	-.38	1.38
20	TELLINA VERSICOLOR		2	1				3	2	1.42	77.83	.50	.837	-.38	1.38
21	AMPELISCA VERRILLI		2				1	3	2	1.42	79.25	.50	.837	-.38	1.38
22	KALLIAPSEUDES SPA	1					1	2	2	.94	80.19	.33	.516	-.21	.88
23	LAONICE CIRRATA		1			1		2	2	.94	81.13	.33	.516	-.21	.88
24	TANAID SPB			2				2	1	.94	82.08	.33	.816	-.52	1.19
25	NEREID(NICON) SPA				1		1	2	2	.94	83.02	.33	.516	-.21	.88
26	PILARGIS BERKELYAE		2					2	1	.94	83.96	.33	.816	-.52	1.19
27	DIOPATRA TRIDENTATA					1	1	2	2	.94	84.91	.33	.516	-.21	.88
28	GONIADA NORVEGICA					2		2	1	.94	85.85	.33	.816	-.52	1.19
29	ONUPHIS SPA						2	2	1	.94	86.79	.33	.816	-.52	1.19
30	CIRROPHORUS LYRIFORMIS			1		1		2	2	.94	87.74	.33	.516	-.21	.88
31	AUTOMATE EVERMANNI	1		1				2	2	.94	88.68	.33	.516	-.21	.88
32	LUMBRINERIS PARVAPEDATA			1			1	2	2	.94	89.62	.33	.516	-.21	.88
33	LUMBRINERIS ALBIDENTATA			1				1	1	.47	90.09	.17	.408	-.26	.60
34	ONUPHIDAE					1		1	1	.47	90.57	.17	.408	-.26	.60
35	THARYX MARIONI		1					1	1	.47	91.04	.17	.408	-.26	.60
36	VARICORBULA DISPARILIS				1			1	1	.47	91.51	.17	.408	-.26	.60
37	PISTA CRISTATA	1						1	1	.47	91.98	.17	.408	-.26	.60
38	VOLVULELLA TEXASIANA						1	1	1	.47	92.45	.17	.408	-.26	.60
39	ANACHIS CALLIGLYPTA						1	1	1	.47	92.92	.17	.408	-.26	.60
40	ARICIDEA CF FRAGILIS					1		1	1	.47	93.40	.17	.408	-.26	.60
41	SCOLOPLOS TEXANA					1		1	1	.47	93.87	.17	.408	-.26	.60
42	AMPHARETIDAE						1	1	1	.47	94.34	.17	.408	-.26	.60
43	ASYCHIS SP				1			1	1	.47	94.81	.17	.408	-.26	.60
44	POLYCIRRUS SPA	1						1	1	.47	95.28	.17	.408	-.26	.60
45	EULIMA BIFASCIATA						1	1	1	.47	95.75	.17	.408	-.26	.60
46	MALDANIDAE		1					1	1	.47	96.23	.17	.408	-.26	.60
47	MARPHYSA SPA			1				1	1	.47	96.70	.17	.408	-.26	.60
48	NINOE NIGRIPES				1			1	1	.47	97.17	.17	.408	-.26	.60
49	OBELIA SPA		1					1	1	.47	97.64	.17	.408	-.26	.60
50	OPHIOGLYCERA DISTORTA	1						1	1	.47	98.11	.17	.408	-.26	.60
51	GONIADIDAE					1		1	1	.47	98.58	.17	.408	-.26	.60
52	GLYCERA TESSELATA	1						1	1	.47	99.06	.17	.408	-.26	.60
53	SCOLOPLOS RUBRA		1					1	1	.47	99.53	.17	.408	-.26	.60
54	HYALA SPA						1	1	1	.47	100.00	.17	.408	-.26	.60
	NO. OF SPECIES	16	18	22	16	15	24								
	NO. OF INDIVIDUALS	27	42	47	37	19	40	212							

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	IV	54	212	4.9911	.9565	.8889

STATION 3 TRANSECT IV PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	SIPUNCULA	13	20	20	19	13	15	100	6	19.57	19.57	16.67	3.386	13.11	20.22
2	ONUPHIS SPB	2	7	7	4	2	1	23	6	4.50	24.07	3.83	2.639	1.06	6.60
3	RUTIDERMA SPA		5	13	2		3	23	4	4.50	28.57	3.83	4.875	-1.28	8.95
4	PARAMPHINOME PULCHELLA	4	11	3	1	1		20	5	3.91	32.49	3.33	4.033	-.90	7.57
5	CORBULA SWIFTIANA	1	1	6	3	6		17	5	3.33	35.81	2.83	2.639	.06	5.60
6	OSTRACOD SPD			1		7	5	13	3	2.54	38.36	2.17	3.061	-1.05	5.38
7	MALDANIDAE	2	2		1	4	2	11	5	2.15	40.51	1.83	1.329	.44	3.23
8	COSSURA DELTA	2		3	2	2	1	10	5	1.96	42.47	1.67	1.033	.58	2.75
9	PARAONIS GRACILIS		3		1	6		10	3	1.96	44.42	1.67	2.422	-.88	4.21
10	MAGELONA LONGICORNIS	2	2	2	1	2	1	10	6	1.96	46.38	1.67	.516	1.12	2.21
11	THARYX MARIONI		3	2	1	2	1	9	5	1.76	48.14	1.50	1.049	.40	2.60
12	THARYX ANNULOSUS		2	1	2	1	2	8	5	1.57	49.71	1.33	.816	.48	2.19
13	CAPITELLIDAE		2		1	3	2	8	4	1.57	51.27	1.33	1.211	.06	2.60
14	PARALACYDONIA PARADOXA	1	1	3	1	1		7	5	1.37	52.64	1.17	.983	.13	2.20
15	PTILANTHURA CF TRICARINA			7				7	1	1.37	54.01	1.17	2.858	-1.83	4.17
16	NEMERTINEA		4	2			1	7	3	1.37	55.38	1.17	1.602	-.51	2.85
17	PITAR CORDATUS		2	1	2	2		7	4	1.37	56.75	1.17	.983	.13	2.20
18	PARAPRIONOSPIO PINNATA	2	2	1		1		6	4	1.17	57.93	1.00	.894	.06	1.94
19	APANTHURA MAGNIFICA		1	4			1	6	3	1.17	59.10	1.00	1.549	-.63	2.63
20	SABELLIDAE				1	3	2	6	3	1.17	60.27	1.00	1.265	-.33	2.33
21	PHORONIDA		1		1		3	5	3	.98	61.25	.83	1.169	-.39	2.06
22	OPHIUROIDEA			1	3		1	5	3	.98	62.23	.83	1.169	-.39	2.06
23	ALTERNOCHELATA SPA			1		2	2	5	3	.98	63.21	.83	.983	-.20	1.87
24	ONUPHIS SPA	1	2		1	1		5	4	.98	64.19	.83	.753	.04	1.62
25	SPHAEROSYLLIS CF SUBLAEVIS		3			1	1	5	3	.98	65.17	.83	1.169	-.39	2.06
26	NEPHTYIDAE		2	1			2	5	3	.98	66.14	.83	.983	-.20	1.87
27	SIGAMBRA TENTACULATA		1	1			3	5	3	.98	67.12	.83	1.169	-.39	2.06
28	SPIOPHANES WIGLEYI		1	1	1		1	4	4	.78	67.91	.67	.516	.12	1.21
29	TEREHELLIDES STROEMII			2	1	1		4	3	.78	68.69	.67	.816	-.19	1.52
30	ASYCHIS SP		1	3				4	2	.78	69.47	.67	1.211	-.60	1.94
31	ONUPHIS SPF	1			2	1		4	3	.78	70.25	.67	.816	-.19	1.52
32	POLYCHAETE SPA		2		1		1	4	3	.78	71.04	.67	.816	-.19	1.52
33	SPIONIDAE		1		1		2	4	3	.78	71.82	.67	.816	-.19	1.52
34	BRYOZOA		1		1	1	1	4	4	.78	72.60	.67	.516	.12	1.21
35	NEREID SPB			2	1			3	2	.59	73.19	.50	.837	-.38	1.38
36	LUMBRINERIS TENUIS		2			1		3	2	.59	73.78	.50	.837	-.38	1.38
37	GONIADA NORVEGICA	1			1	1		3	3	.59	74.36	.50	.548	-.07	1.07
38	AUTOMATE EVERMANNI			1	1	1		3	3	.59	74.95	.50	.548	-.07	1.07
39	CUMACEAN SPG	1	2					3	2	.59	75.54	.50	.837	-.38	1.38
40	ONUPHIDAE		2			1		3	2	.59	76.13	.50	.837	-.38	1.38
41	ABRA AEQUALIS			3				3	1	.59	76.71	.50	1.225	-.79	1.79
42	PISTA CRISTATA		1		1		1	3	3	.59	77.30	.50	.548	-.07	1.07
43	AMPELISCA SPA			1	1		1	3	3	.59	77.89	.50	.548	-.07	1.07
44	STERNASPIS SCUTATA		1		1	1		3	3	.59	78.47	.50	.548	-.07	1.07
45	PSEUDOPHILOMEDES SPB		2					2	1	.39	78.86	.33	.816	-.52	1.19
46	NOTOMASTUS LATERICEUS			1			1	2	2	.39	79.26	.33	.516	-.21	.88
47	LAONICE CIRRATA			2				2	1	.39	79.65	.33	.816	-.52	1.19
48	AGLAOPHAMUS CIRCINATA		1			1		2	2	.39	80.04	.33	.516	-.21	.88
49	SYLLIS SPB			1	1			2	2	.39	80.43	.33	.516	-.21	.88
50	CERIANTHARIA			1		1		2	2	.39	80.82	.33	.516	-.21	.88
51	CHASMOCARCINUS MISSISSIPPIENSIS	1					1	2	2	.39	81.21	.33	.516	-.21	.88
52	HALIOPHASMA SPA	1				1		2	2	.39	81.60	.33	.516	-.21	.88
53	UNCIOLA SERRATA					1	1	2	2	.39	82.00	.33	.516	-.21	.88
54	MARPHYSA SPD				1	1		2	2	.39	82.39	.33	.516	-.21	.88

55 SPIOPHANES SPA		1	1					2	2	.39	82.78	.33	.516	-.21	.88
56 TEREBELLID SPA		1	1					2	2	.39	83.17	.33	.516	-.21	.88
57 OWENIA FUSIFORMIS		1	1					2	2	.39	83.56	.33	.516	-.21	.88
58 NOTOCIRRUS CF SPINIFERUS				1		1		2	2	.39	83.95	.33	.516	-.21	.88
59 PARAONIS SPA				1	1			2	2	.39	84.34	.33	.516	-.21	.88
60 MAGELONA ROSEA		1		1				2	2	.39	84.74	.33	.516	-.21	.88
61 FABRICIA SPA					2			2	1	.39	85.13	.33	.816	-.52	1.19
62 MAGELONA SPA					1	1		2	2	.39	85.52	.33	.516	-.21	.88
63 AMPHARETE ACUTIFRONS		2						2	1	.39	85.91	.33	.816	-.52	1.19
64 POLYDORA CF HARTMANAE					1	1		2	2	.39	86.30	.33	.516	-.21	.88
65 SPIOPHANES LONGICIRRUS						2		2	1	.39	86.69	.33	.816	-.52	1.19
66 MARPHYSA SPA	1					1		2	2	.39	87.08	.33	.516	-.21	.88
67 ARICIDEA NEOSUECICA	1					1		2	2	.39	87.48	.33	.516	-.21	.88
68 DENTALIUM SOWERBYI		1	1					2	2	.39	87.87	.33	.516	-.21	.88
69 HETEROPHOXUS CF OCULATUS		1		1				2	2	.39	88.26	.33	.516	-.21	.88
70 HIPPOMEDON CF SERRATUS		2						2	1	.39	88.65	.33	.816	-.52	1.19
71 TANAID SPE		1						1	1	.20	88.85	.17	.408	-.26	.60
72 SIGALIONIDAE		1						1	1	.20	89.04	.17	.408	-.26	.60
73 PHYLLODOCE MUCOSA					1			1	1	.20	89.24	.17	.408	-.26	.60
74 PRIONOSPIO STEENSTRUPI					1			1	1	.20	89.43	.17	.408	-.26	.60
75 DORVILLEIDAE	1							1	1	.20	89.63	.17	.408	-.26	.60
76 OPHELIIDAE						1		1	1	.20	89.82	.17	.408	-.26	.60
77 CERATOCEPHALE OCULATA		1						1	1	.20	90.02	.17	.408	-.26	.60
78 ASYCHIS CAROLINAE		1						1	1	.20	90.22	.17	.408	-.26	.60
79 SIGAMBRA BASSI			1					1	1	.20	90.41	.17	.408	-.26	.60
80 HETEROSPIO LONGISSIMA						1		1	1	.20	90.61	.17	.408	-.26	.60
81 PILARGIIDAE				1				1	1	.20	90.80	.17	.408	-.26	.60
82 JASMINEIRA SP		1						1	1	.20	91.00	.17	.408	-.26	.60
83 GONIADIDAE	1							1	1	.20	91.19	.17	.408	-.26	.60
84 AMAEANA TRILOBATA		1						1	1	.20	91.39	.17	.408	-.26	.60
85 DRILONEREIS MAGNA		1						1	1	.20	91.59	.17	.408	-.26	.60
86 PHILINE SAGRA					1			1	1	.20	91.78	.17	.408	-.26	.60
87 EUNICE SPA			1					1	1	.20	91.98	.17	.408	-.26	.60
88 AMYGDALUM PAPYRIUM					1			1	1	.20	92.17	.17	.408	-.26	.60
89 HARBANSUS PAUCICHELATUS			1					1	1	.20	92.37	.17	.408	-.26	.60
90 ASYCHIS ELONGATA					1			1	1	.20	92.56	.17	.408	-.26	.60
91 AGLAOPHAMUS SP						1		1	1	.20	92.76	.17	.408	-.26	.60
92 TANAID SPP						1		1	1	.20	92.95	.17	.408	-.26	.60
93 AGLAOPHAMUS INERMIS		1						1	1	.20	93.15	.17	.408	-.26	.60
94 PARAONIDAE					1			1	1	.20	93.35	.17	.408	-.26	.60
95 LUMBRINERIS PARVAPEDATA						1		1	1	.20	93.54	.17	.408	-.26	.60
96 TEREBELLIDAE				1				1	1	.20	93.74	.17	.408	-.26	.60
97 CHAETOPTERIDAE						1		1	1	.20	93.93	.17	.408	-.26	.60
98 MAGELONA PETTIBONEAE						1		1	1	.20	94.13	.17	.408	-.26	.60
99 CUMACEAN SPI		1						1	1	.20	94.32	.17	.408	-.26	.60
100 EPITONIUM MULTISTRIATUM						1		1	1	.20	94.52	.17	.408	-.26	.60
101 GNATHIA SP						1		1	1	.20	94.72	.17	.408	-.26	.60
102 ONUPHIS SPD	1							1	1	.20	94.91	.17	.408	-.26	.60
103 TELLINA VERSICOLOR					1			1	1	.20	95.11	.17	.408	-.26	.60
104 CUMACEAN SPD					1			1	1	.20	95.30	.17	.408	-.26	.60
105 CHAETOZONE GAYHEADIA			1					1	1	.20	95.50	.17	.408	-.26	.60
106 DASYBRANCHUS SP		1						1	1	.20	95.69	.17	.408	-.26	.60
107 NOTOCIRRUS SP		1						1	1	.20	95.89	.17	.408	-.26	.60
108 CALLIANASSA LATISPINA						1		1	1	.20	96.09	.17	.408	-.26	.60
109 NEREIDAE		1						1	1	.20	96.28	.17	.408	-.26	.60
110 AMPELISCA ABDITA			1					1	1	.20	96.48	.17	.408	-.26	.60
111 OSTRACOD SPBB						1		1	1	.20	96.67	.17	.408	-.26	.60
112 VOLVULELLA PERSIMILIS			1					1	1	.20	96.87	.17	.408	-.26	.60
113 VARICORBULA DISPARILIS			1					1	1	.20	97.06	.17	.408	-.26	.60
114 NEPHTYS INCISA					1			1	1	.20	97.26	.17	.408	-.26	.60
115 HYBLIS CF AFFINIS						1		1	1	.20	97.46	.17	.408	-.26	.60
116 MEDIOMASTUS CALIFORNIENSIS		1						1	1	.20	97.65	.17	.408	-.26	.60

117	SCUTOPUS SPA	1						1	1	.20	97.85	.17	.408	-.26	.60
118	OPHIODROMUS OBSCURUS		1					1	1	.20	98.04	.17	.408	-.26	.60
119	EUDORELLA MONODON						1	1	1	.20	98.24	.17	.408	-.26	.60
120	NINOE NIGRIPES			1				1	1	.20	98.43	.17	.408	-.26	.60
121	PISTA SP			1				1	1	.20	98.63	.17	.408	-.26	.60
122	STHENOLEPIS CF JAPONICA				1			1	1	.20	98.83	.17	.408	-.26	.60
123	HYALA SPA						1	1	1	.20	99.02	.17	.408	-.26	.60
124	OXYUROSTYLIS SP						1	1	1	.20	99.22	.17	.408	-.26	.60
125	POECILOCHAETUS JOHNSONI			1				1	1	.20	99.41	.17	.408	-.26	.60
126	GONIADA MACULATA			1				1	1	.20	99.61	.17	.408	-.26	.60
127	ARICIDEA TAYLORI		1					1	1	.20	99.80	.17	.408	-.26	.60
128	AMPHARETIDAE			1				1	1	.20	100.00	.17	.408	-.26	.60

NO. OF SPECIES	21	56	47	39	45	49	
NO. OF INDIVIDUALS	41	119	114	69	87	81	511

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	IV	128	511	5.7725	.9506	.6484

STATION 4 TRANSECT IV PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	CLYMENELLA TORQUATA	33	24	20	65	25	47	214	6	7.26	7.26	35.67	17.270	17.54	53.79
2	LUMBRINERIS PARVAPEDATA	34	24	11	58	15	71	213	6	7.23	14.49	35.50	24.172	10.13	60.87
3	ISOLDA PULCHELLA	46	6	18	23	23	53	169	6	5.73	20.22	28.17	17.792	9.49	46.84
4	MEDIOMASTUS CALIFORNIENSIS	31	17	6	47	15	50	166	6	5.63	25.86	27.67	18.041	8.73	46.60
5	CAECUM PULCHELLUM	46			3	1	115	165	4	5.60	31.46	27.50	46.505	-21.31	76.31
6	PARAONIDES LYRA	27	58	3	43	9	22	162	6	5.50	36.95	27.00	20.698	5.28	48.72
7	MAGELONA PHYLLISAE	27	11	9	33	8	48	136	6	4.61	41.57	22.67	16.158	5.71	39.63
8	DIPLODONTA CF SOROR	26	20	4	5		30	85	5	2.88	44.45	14.17	12.750	.78	27.55
9	TELLINA VERSICOLOR	2	22	3	11	2	39	79	6	2.68	47.13	13.17	14.851	-2.42	28.75
10	NEMERTINEA	10	1	6	12	2	48	79	6	2.68	49.81	13.17	17.600	-5.31	31.64
11	MALDANIDAE	15	7	10	10	6	28	76	6	2.58	52.39	12.67	8.140	4.12	21.21
12	VARICORBULA DISPARILIS	9	16	5	15	16	14	75	6	2.54	54.94	12.50	4.506	7.77	17.23
13	LUMBRINERIS TENUIS	15	6	3	15	3	23	65	6	2.21	57.14	10.83	8.110	2.32	19.35
14	PARAPRIONOSPIO PINNATA	9	7	7	4	4	31	62	6	2.10	59.25	10.33	10.309	-.49	21.15
15	CORBULA SWIFTIANA	12	5	1	40		4	62	5	2.10	61.35	10.33	15.135	-5.55	26.22
16	AMPELISCA SPB	2	15	2	8		19	46	5	1.56	62.91	7.67	7.815	-.54	15.87
17	XENANTHURA BREVITELSON	9	5	5	12	3	12	46	6	1.56	64.47	7.67	3.882	3.59	11.74
18	MAGELONA PETTIBONEAE	11	5	1	11	5	11	44	6	1.49	65.97	7.33	4.274	2.85	11.82
19	AGLAOPHAMUS CIRCINATA	6	4	3	7	1	15	36	6	1.22	67.19	6.00	4.899	.86	11.14
20	RUTIDERMA SPB	6	2	3	13		9	33	5	1.12	68.31	5.50	4.848	.41	10.59
21	ANADARA TRANSVERSA	1	23		3	4	2	33	5	1.12	69.43	5.50	8.689	-3.62	14.62
22	PARAONIDAE	10	1		12	2	4	29	5	.98	70.41	4.83	4.997	-.41	10.08
23	POLYCHAETE SPA	3	5	1		9	7	25	5	.85	71.26	4.17	3.488	.51	7.83
24	THARYX MARIONI	10	4		1	1	8	24	5	.81	72.07	4.00	4.147	-.35	8.35
25	NEOMEGAMPHOPUS SP		10		2		11	23	3	.78	72.85	3.83	5.231	-1.66	9.32
26	ALIGENA TEXASIANA	5	1	4	4		7	21	5	.71	73.57	3.50	2.588	.78	6.22
27	NEREID(NICON) SPA	5		4	3	1	8	21	5	.71	74.28	3.50	2.881	.48	6.52
28	AMPELISCA VERRILLI	1	3	1	3	2	10	20	6	.68	74.96	3.33	3.386	-.22	6.89
29	CYLICHNA BIDENTATA	7	3		1		8	19	4	.64	75.60	3.17	3.545	-.55	6.89
30	DIOPATRA CUPREA	5	2	1	8	3		19	5	.64	76.25	3.17	2.927	.09	6.24
31	EXOGONE DISPAR		4	2	2	7	4	19	5	.64	76.89	3.17	2.401	.65	5.69
32	ARICIDEA TAYLORI	2	1		6	1	7	17	5	.58	77.47	2.83	2.927	-.24	5.91
33	AGLAOPHAMUS VERRILLI		3	3	3	1	7	17	5	.58	78.05	2.83	2.401	.31	5.35
34	PARAONIS GRACILIS	3		1	7	2	3	16	5	.54	78.59	2.67	2.422	.12	5.21
35	GONIADA LITTOREA	6	1	1	1	1	6	16	6	.54	79.13	2.67	2.582	-.04	5.38
36	DIOPATRA CF NEOTRIDENS		2	3		7	3	15	4	.51	79.64	2.50	2.588	-.22	5.22
37	SIPUNCULA	4	1		3		7	15	4	.51	80.15	2.50	2.739	-.37	5.37
38	ABRA AEQUALIS	1	2	1	4		6	14	5	.48	80.62	2.33	2.251	-.03	4.70
39	PHOTIS SPB	2			6		6	14	3	.48	81.10	2.33	2.944	-.76	5.42
40	ONUPHIS SPF	6	4		3			13	3	.44	81.54	2.17	2.563	-.52	4.86
41	SPIONIDAE	7			2		3	12	3	.41	81.95	2.00	2.757	-.89	4.89
42	LUCINA AMIANTUS	7	1			1	3	12	4	.41	82.35	2.00	2.683	-.82	4.82
43	ARICIDEA JEFFREYSII	5	2				4	11	3	.37	82.73	1.83	2.229	-.51	4.17
44	ASYCHIS ELONGATA			5	1	3	2	11	4	.37	83.10	1.83	1.941	-.20	3.87
45	OPHIUROIDEA	1	1		2	4	3	11	5	.37	83.47	1.83	1.472	.29	3.38
46	SPIOPHANES SPA	1			2	2	6	11	4	.37	83.85	1.83	2.229	-.51	4.17
47	GYPTIS VITTATA	1		1	5	2	1	10	5	.34	84.19	1.67	1.751	-.17	3.50
48	CORDPHIID SPA	1	4		2		3	10	4	.34	84.53	1.67	1.633	-.05	3.38
49	OWENIA FUSIFORMIS		1	1	1	2	5	10	5	.34	84.87	1.67	1.751	-.17	3.50
50	NEREIS LAMELLOSA		5		3	1	1	10	4	.34	85.21	1.67	1.966	-.40	3.73
51	AMPELISCA ABDITA		9					9	1	.31	85.51	1.50	3.674	-2.36	5.36
52	PERIPLOMA MARGARITACEUM	1	2	2	2		2	9	5	.31	85.82	1.50	.837	.62	2.38
53	TEREBELLIDES STROEMII	2		1	2	1	3	9	5	.31	86.12	1.50	1.049	.40	2.60
54	ONUPHIS NEBULOSA			1	1	1	6	9	4	.31	86.43	1.50	2.258	-.87	3.87

55	BARBATIA CANDIDA				3	2	4	9	3	.31	86.73	1.50	1.761	-.35	3.35
56	CAECUM IMBRICATUM	2					7	9	2	.31	87.04	1.50	2.811	-1.45	4.45
57	ARICIDEA CF FRAGILIS		3		3	2	1	9	4	.31	87.34	1.50	1.378	.05	2.95
58	NEPHTYS PICTA			6			2	8	2	.27	87.61	1.33	2.422	-1.21	3.88
59	PHORONIDA				1	1	6	8	3	.27	87.89	1.33	2.338	-1.12	3.79
60	PALEANOTUS HETEROSETA		3	1			4	8	3	.27	88.16	1.33	1.751	-.50	3.17
61	LUMBRINERIS JANUARII		1	2	1		4	8	4	.27	88.43	1.33	1.506	-.25	2.91
62	ASYCHIS SP	3		3	2			8	3	.27	88.70	1.33	1.506	-.25	2.91
63	AMPELISCA CF CRISTATA		1				6	7	2	.24	88.94	1.17	2.401	-1.35	3.69
64	MAGELONA LONGICORNIS		1		6			7	2	.24	89.18	1.17	2.401	-1.35	3.69
65	DIOPATRA SP		3	1	1		2	7	4	.24	89.41	1.17	1.169	-.06	2.39
66	SCHISTOMERINGOS RUDOLPHI			4			2	6	2	.20	89.62	1.00	1.673	-.76	2.76
67	AMAEANA TRILOBATA	1			3		2	6	3	.20	89.82	1.00	1.265	-.33	2.33
68	AMPHARETE ACUTIFRONS		3				3	6	2	.20	90.02	1.00	1.549	-.63	2.63
69	PISTA CRISTATA	3				2	1	6	3	.20	90.23	1.00	1.265	-.33	2.33
70	NEREID SPB	6						6	1	.20	90.43	1.00	2.449	-1.57	3.57
71	CERATOCEPHALE OCULATA	4	2					6	2	.20	90.63	1.00	1.673	-.76	2.76
72	SPIOPHANES SP	1			4			5	2	.17	90.80	.83	1.602	-.85	2.51
73	LUMBRINERIDAE				5			5	1	.17	90.97	.83	2.041	-1.31	2.98
74	GLYCERA AMERICANA	2	2		1			5	3	.17	91.14	.83	.983	-.20	1.87
75	POLYCIRRUS SPA	1			1		3	5	3	.17	91.31	.83	1.169	-.39	2.06
76	LUCINA MULTILINEATA	4					1	5	2	.17	91.48	.83	1.602	-.85	2.51
77	SYNCHELIDIUM CF AMERICANUM						5	5	1	.17	91.65	.83	2.041	-1.31	2.98
78	LYONSIA HYALINA FLORIDANA	2				1	2	5	3	.17	91.82	.83	.983	-.20	1.87
79	PARASTEROPE LATA		2				2	4	2	.14	91.96	.67	1.033	-.42	1.75
80	AUTOMATE EVERMANNI		1		1	1	1	4	4	.14	92.09	.67	.516	.12	1.21
81	ACTEOCINA CANDEI	1					3	4	2	.14	92.23	.67	1.211	-.60	1.94
82	MICROSPIO PIGMENTATA			1	1		2	4	3	.14	92.37	.67	.816	-.19	1.52
83	ONUPHIS EREMITA			1		1	2	4	3	.14	92.50	.67	.816	-.19	1.52
84	NOTOMASTUS HEMIPODUS				2		2	4	2	.14	92.64	.67	1.033	-.42	1.75
85	STHENELAIS BOA	1	2		1			4	3	.14	92.77	.67	.816	-.19	1.52
86	EUPANTHALIS KINBERGI		2		1	1		4	3	.14	92.91	.67	.816	-.19	1.52
87	ONUPHIDAE		3		1			4	2	.14	93.04	.67	1.211	-.60	1.94
88	SPIOPHANES BOMBYX		1	1		1	1	4	4	.14	93.18	.67	.516	.12	1.21
89	MAGELONA ROSEA		1				3	4	2	.14	93.32	.67	1.211	-.60	1.94
90	NATICA CANRENA	2			2			4	2	.14	93.45	.67	1.033	-.42	1.75
91	GLOTTIDIA PYRAMIDATA	1			2		1	4	3	.14	93.59	.67	.816	-.19	1.52
92	NOTOMASTUS AMERICANUS	1				2	1	4	3	.14	93.72	.67	.816	-.19	1.52
93	CUMACEAN SPI		1		1		1	3	3	.10	93.82	.50	.548	-.07	1.07
94	SINUM MACULATUM			1	1		1	3	3	.10	93.93	.50	.548	-.07	1.07
95	PHOTIS MACROMANUS						3	3	1	.10	94.03	.50	1.225	-.79	1.79
96	SPIOCHAETOPTERUS COSTARUM	1					2	3	2	.10	94.13	.50	.837	-.38	1.38
97	VOLVULELLA PERSIMILIS				1		2	3	2	.10	94.23	.50	.837	-.38	1.38
98	LAONICE CIRRATA		1				2	3	2	.10	94.33	.50	.837	-.38	1.38
99	NASSARIIDAE						3	3	1	.10	94.44	.50	1.225	-.79	1.79
100	THARYX ANNULOSUS		2		1			3	2	.10	94.54	.50	.837	-.38	1.38
101	CHIONE CLENCHI	1	1				1	3	3	.10	94.64	.50	.548	-.07	1.07
102	APSEUDES SPA						3	3	1	.10	94.74	.50	1.225	-.79	1.79
103	TEREBELLIDAE		1			1	1	3	3	.10	94.84	.50	.548	-.07	1.07
104	NUCULANA ACUTA	2					1	3	2	.10	94.94	.50	.837	-.38	1.38
105	CABIRA INCERTA		2				1	3	2	.10	95.05	.50	.837	-.38	1.38
106	PISTA PALMATA		2				1	3	2	.10	95.15	.50	.837	-.38	1.38
107	SCHISTOMERINGOS SPA		1			2		3	2	.10	95.25	.50	.837	-.38	1.38
108	AEDICIRA BELGICAE		1			1	1	3	3	.10	95.35	.50	.548	-.07	1.07
109	MACOMA TENTA	1		1	1			3	3	.10	95.45	.50	.548	-.07	1.07
110	FIDELLA DUBIA	1					2	3	2	.10	95.55	.50	.837	-.38	1.38
111	GATTYANA NUTTI		1				1	2	2	.07	95.62	.33	.516	-.21	.88
112	BRANCHIOSTOMA CARIBAEUM				1		1	2	2	.07	95.69	.33	.516	-.21	.88
113	PRIONOSPIO CRISTATA						2	2	1	.07	95.76	.33	.816	-.52	1.19
114	ASTEROPTERON OCULITRISTIS		1		1			2	2	.07	95.83	.33	.516	-.21	.88
115	MEGALOMMA CF QUADRIOCULATUM			1	1			2	2	.07	95.89	.33	.516	-.21	.88
116	CHAETOZONE SETOSA	2						2	1	.07	95.96	.33	.816	-.52	1.19

117	TRACHYPENAEUS SP						2	2	1	.07	96.03	.33	.816	-.52	1.19
118	DIOPATRA PAPILLATA		1				1	2	2	.07	96.10	.33	.516	-.21	.88
119	PHOTIS SP	1		1				2	2	.07	96.17	.33	.516	-.21	.88
120	PHYLLODOCE MUCOSA	1					1	2	2	.07	96.23	.33	.516	-.21	.88
121	OSTRACOD SPBB				1		1	2	2	.07	96.30	.33	.516	-.21	.88
122	MUSCULUS LATERALIS				1	1		2	2	.07	96.37	.33	.516	-.21	.88
123	PINNOTHERIDAE	1					1	2	2	.07	96.44	.33	.516	-.21	.88
124	CAPITELLA CAPITATA				2			2	1	.07	96.50	.33	.816	-.52	1.19
125	TELLINA AEQUISTRIATA		1				1	2	2	.07	96.57	.33	.516	-.21	.88
126	OBELIA SPA				1		1	2	2	.07	96.64	.33	.516	-.21	.88
127	CAPITELLIDAE				2			2	1	.07	96.71	.33	.816	-.52	1.19
128	ONUPHIS SPA	1			1			2	2	.07	96.78	.33	.516	-.21	.88
129	LUMBRINERIS CF MAGALHAENSIS	2						2	1	.07	96.84	.33	.816	-.52	1.19
130	PRIONOSPIO STEENSTRUPI						2	2	1	.07	96.91	.33	.816	-.52	1.19
131	CIRRATULID-B						2	2	1	.07	96.98	.33	.816	-.52	1.19
132	TEREBRA PROTEXTA		1				1	2	2	.07	97.05	.33	.516	-.21	.88
133	MINUSPIO CIRRIFERA						2	2	1	.07	97.12	.33	.816	-.52	1.19
134	ARMANDIA MACULATA		1				1	2	2	.07	97.18	.33	.516	-.21	.88
135	CYCLASPIS VARIANS						2	2	1	.07	97.25	.33	.816	-.52	1.19
136	LEPTOCHELA SERRATORBITA						2	2	1	.07	97.32	.33	.816	-.52	1.19
137	ASTEROPELLA MACLAUGHLINAE				1		1	2	2	.07	97.39	.33	.516	-.21	.88
138	NEREIDAE	1			1			2	2	.07	97.46	.33	.516	-.21	.88
139	CALLIANASSA BIFORMIS	1					1	2	2	.07	97.52	.33	.516	-.21	.88
140	LISTRIELLA BARNARDI				1		1	2	2	.07	97.59	.33	.516	-.21	.88
141	LOVENELLA GRANDIS		1		1			2	2	.07	97.66	.33	.516	-.21	.88
142	PISTA QUADRILOBATA		2					2	1	.07	97.73	.33	.816	-.52	1.19
143	ANCISTROSYLLIS PAPILLOSA						2	2	1	.07	97.79	.33	.816	-.52	1.19
144	SOLEN VIRIDIS		1				1	2	2	.07	97.86	.33	.516	-.21	.88
145	OXYUROSTYLIS SP						2	2	1	.07	97.93	.33	.816	-.52	1.19
146	BRYOZOA						1	1	1	.03	97.96	.17	.408	-.26	.60
147	SPIOPHANES LONGICIRRUS			1				1	1	.03	98.00	.17	.408	-.26	.60
148	SICYONIA DORSALIS						1	1	1	.03	98.03	.17	.408	-.26	.60
149	HARMOTHOE TRIMACULATA		1					1	1	.03	98.07	.17	.408	-.26	.60
150	SABELLIDAE						1	1	1	.03	98.10	.17	.408	-.26	.60
151	ALPHEIDAE		1					1	1	.03	98.13	.17	.408	-.26	.60
152	SAMYTHELLA ELIASONI				1			1	1	.03	98.17	.17	.408	-.26	.60
153	NUCULA PROXIMA	1						1	1	.03	98.20	.17	.408	-.26	.60
154	ARABELLA IRICOLOR		1					1	1	.03	98.24	.17	.408	-.26	.60
155	GLYCERA SPB	1						1	1	.03	98.27	.17	.408	-.26	.60
156	SABELLARIA SP		1					1	1	.03	98.30	.17	.408	-.26	.60
157	SARSIELLA SPF			1				1	1	.03	98.34	.17	.408	-.26	.60
158	MARPHYSA SANGUINEA		1					1	1	.03	98.37	.17	.408	-.26	.60
159	ARGISSA HAMATIPES		1					1	1	.03	98.41	.17	.408	-.26	.60
160	MINUSPIO SP				1			1	1	.03	98.44	.17	.408	-.26	.60
161	HYDROIDES PROTULICOLA						1	1	1	.03	98.47	.17	.408	-.26	.60
162	CERATOCEPHALE CF OCULATA						1	1	1	.03	98.51	.17	.408	-.26	.60
163	ANOMIA SIMPLEX	1						1	1	.03	98.54	.17	.408	-.26	.60
164	PHILINE SAGRA		1					1	1	.03	98.57	.17	.408	-.26	.60
165	DRILONEREIS MAGNA	1						1	1	.03	98.61	.17	.408	-.26	.60
166	POLINICES DUPLICATUS		1					1	1	.03	98.64	.17	.408	-.26	.60
167	PERSEPHONA SP		1					1	1	.03	98.68	.17	.408	-.26	.60
168	ONUPHIS PERUANA		1					1	1	.03	98.71	.17	.408	-.26	.60
169	SIGAMBRA TENTACULATA		1					1	1	.03	98.74	.17	.408	-.26	.60
170	PLATYHELMINTHES				1			1	1	.03	98.78	.17	.408	-.26	.60
171	SERPULA VERMICULARIS		1					1	1	.03	98.81	.17	.408	-.26	.60
172	DIPLODONTA SPA		1					1	1	.03	98.85	.17	.408	-.26	.60
173	AXIIDAE			1				1	1	.03	98.88	.17	.408	-.26	.60
174	PROCESSA HEMPHILLI	1						1	1	.03	98.91	.17	.408	-.26	.60
175	PECTINARIA CF GOULDII					1		1	1	.03	98.95	.17	.408	-.26	.60
176	ACTINIARIA SPE					1		1	1	.03	98.98	.17	.408	-.26	.60
177	PISTA BREVIBRANCHIA				1			1	1	.03	99.02	.17	.408	-.26	.60
178	SIGALIONIDAE				1			1	1	.03	99.05	.17	.408	-.26	.60

179	AMPHILOCHUS SP		1						1	1	.03	99.08	.17	.408	-.26	.60
180	EULIMA HEMPHILLI	1							1	1	.03	99.12	.17	.408	-.26	.60
181	UNCIOLA SERRATA			1					1	1	.03	99.15	.17	.408	-.26	.60
182	HEXAPANOPEUS ANGUSTIFRONS				1				1	1	.03	99.19	.17	.408	-.26	.60
183	ZOANTHARIA					1			1	1	.03	99.22	.17	.408	-.26	.60
184	LEPIDASTHENIA MACULATA					1			1	1	.03	99.25	.17	.408	-.26	.60
185	CANTHARUS CANCELLARIA		1						1	1	.03	99.29	.17	.408	-.26	.60
186	NOTOMASTUS LATERICEUS		1						1	1	.03	99.32	.17	.408	-.26	.60
187	CALLIANASSA SP		1						1	1	.03	99.36	.17	.408	-.26	.60
188	HARBANSUS PAUCICHELATUS			1					1	1	.03	99.39	.17	.408	-.26	.60
189	POLYDORA SP	1							1	1	.03	99.42	.17	.408	-.26	.60
190	CERATONEREIS IRRITABILIS			1					1	1	.03	99.46	.17	.408	-.26	.60
191	EULIMA BIFASCIATA	1							1	1	.03	99.49	.17	.408	-.26	.60
192	SABELLARIA GRACILIS				1				1	1	.03	99.52	.17	.408	-.26	.60
193	SWUILLA SP			1					1	1	.03	99.56	.17	.408	-.26	.60
194	PARANAITIS POLYNOIDES			1					1	1	.03	99.59	.17	.408	-.26	.60
195	MESOCHAETOPTERUS TAYLORI				1				1	1	.03	99.63	.17	.408	-.26	.60
196	HARMOTHOE IMBRICATA			1					1	1	.03	99.66	.17	.408	-.26	.60
197	MYTILIDAE		1						1	1	.03	99.69	.17	.408	-.26	.60
198	CIRRATULID SPB			1					1	1	.03	99.73	.17	.408	-.26	.60
199	CORYMORPHA PENDULA	1							1	1	.03	99.76	.17	.408	-.26	.60
200	ALBUNEA GIBBESII		1						1	1	.03	99.80	.17	.408	-.26	.60
201	SCOLOPLOS RUBRA	1							1	1	.03	99.83	.17	.408	-.26	.60
202	ACTINIARIA SPA				1				1	1	.03	99.86	.17	.408	-.26	.60
203	KURTZIELLA CF RUBELLA		1						1	1	.03	99.90	.17	.408	-.26	.60
204	MONOCULOIDES SPB					1			1	1	.03	99.93	.17	.408	-.26	.60
205	OLIVELLA DEALBATA		1						1	1	.03	99.97	.17	.408	-.26	.60
206	SYLLIDAE			1					1	1	.03	100.00	.17	.408	-.26	.60

NO. OF SPECIES	84	99	52	100	58	124	
NO. OF INDIVIDUALS	534	424	180	605	221	983	2947

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	IV	206	2947	5.8536	.9678	.4272

STATION 5 TRANSECT IV PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	NEMERTINEA	4	19	1	3	27	15	69	6	18.75	18.75	11.50	10.464	.52	22.48
2	PARAPRIONOSPIO PINNATA	15	5	7	2	9	2	40	6	10.87	29.62	6.67	4.926	1.50	11.84
3	PARAONIS GRACILIS	2	10	4		11	3	30	5	8.15	37.77	5.00	4.472	.31	9.69
4	MAGELONA LONGICORNIS	3	3	2	2	9	6	25	6	6.79	44.57	4.17	2.787	1.24	7.09
5	KALLIAPSEUDES SPA	3	8	1	1	5	4	22	6	5.98	50.54	3.67	2.658	.88	6.46
6	LUMBRINERIS PARVAPEDATA	2	8		2	3	6	21	5	5.71	56.25	3.50	2.950	.40	6.60
7	MEDIOMASTUS CALIFORNIENSIS	1	5	1	3	3	2	15	6	4.08	60.33	2.50	1.517	.91	4.09
8	PARAONIS SPA	3	2	2	4	1	1	13	6	3.53	63.86	2.17	1.169	.94	3.39
9	NEPHTYS INCISA		3	3	1	5		12	4	3.26	67.12	2.00	2.000	-.10	4.10
10	COSSURA DELTA	1	2	1	2	3	1	10	6	2.72	69.84	1.67	.816	.81	2.52
11	SPIONIDAE	6	2			2		10	3	2.72	72.55	1.67	2.338	-.79	4.12
12	NINOE NIGRIPES	2	2	1		1	3	9	5	2.45	75.00	1.50	1.049	.40	2.60
13	VOLVULELLA TEXASIANA	2	2		1	3	1	9	5	2.45	77.45	1.50	1.049	.40	2.60
14	DRILONEREIS MAGNA	1	3	1	1			6	4	1.63	79.08	1.00	1.095	-.15	2.15
15	CORBULA SWIFTIANA	1	4				1	6	3	1.63	80.71	1.00	1.549	-.63	2.63
16	EUDORELLA MONODON	3			1	2		6	3	1.63	82.34	1.00	1.265	-.33	2.33
17	NEREID(NICON) SPA			2	1	1	1	5	4	1.36	83.70	.83	.753	.04	1.62
18	MINUSPIO LONGIBRANCHIATA		5					5	1	1.36	85.05	.83	2.041	-1.31	2.98
19	SIGAMBRA BASSI	1	1		1		1	4	4	1.09	86.14	.67	.516	.12	1.21
20	AMPELISCA VERRILLI	1	1		1		1	4	4	1.09	87.23	.67	.516	.12	1.21
21	NOTOMASTUS CF LATERICEUS		1				1	2	2	.54	87.77	.33	.516	-.21	.88
22	PINNOTHERIDAE	2						2	1	.54	88.32	.33	.816	-.52	1.19
23	ANADARA TRANSVERSA		1			1		2	2	.54	88.86	.33	.516	-.21	.88
24	TRACHYPENAEUS SP			1		1		2	2	.54	89.40	.33	.516	-.21	.88
25	ONUPHIDAE			1		1		2	2	.54	89.95	.33	.516	-.21	.88
26	PALEANOTUS HETEROSETA		2					2	1	.54	90.49	.33	.816	-.52	1.19
27	PARAONIDAE				2			2	1	.54	91.03	.33	.816	-.52	1.19
28	ARICIDEA JEFFREYSII					2		2	1	.54	91.58	.33	.816	-.52	1.19
29	POLYDORA SP	1					1	2	2	.54	92.12	.33	.516	-.21	.88
30	RENILLA MULLERI		2					2	1	.54	92.66	.33	.816	-.52	1.19
31	SIGAMBRA TENTACULATA		2					2	1	.54	93.21	.33	.816	-.52	1.19
32	CIRRATULIDAE	1				1		2	2	.54	93.75	.33	.516	-.21	.88
33	ARABELLA TRICOLOR						1	1	1	.27	94.02	.17	.408	-.26	.60
34	GLYCERA AMERICANA		1					1	1	.27	94.29	.17	.408	-.26	.60
35	MALACOCEROS INDICUS						1	1	1	.27	94.57	.17	.408	-.26	.60
36	SPIOCHAETOPTERUS COSTARUM			1				1	1	.27	94.84	.17	.408	-.26	.60
37	HYDROZOA			1				1	1	.27	95.11	.17	.408	-.26	.60
38	PARAONIDES LYRA		1					1	1	.27	95.38	.17	.408	-.26	.60
39	CIRROPHORUS LYRIFORMIS					1		1	1	.27	95.65	.17	.408	-.26	.60
40	SIGAMBRA SP	1						1	1	.27	95.92	.17	.408	-.26	.60
41	HYALA SPA					1		1	1	.27	96.20	.17	.408	-.26	.60
42	BRYOZOA		1					1	1	.27	96.47	.17	.408	-.26	.60
43	RUTIDERMA SPB			1				1	1	.27	96.74	.17	.408	-.26	.60
44	NEREID SPB						1	1	1	.27	97.01	.17	.408	-.26	.60
45	DIOPATRA TRIDENTATA	1						1	1	.27	97.28	.17	.408	-.26	.60
46	ASYCHIS SP		1					1	1	.27	97.55	.17	.408	-.26	.60
47	ARICIDEA NEOSUECICA	1						1	1	.27	97.83	.17	.408	-.26	.60
48	ARICIDEA CF FRAGILIS		1					1	1	.27	98.10	.17	.408	-.26	.60
49	PITAR CORDATUS	1						1	1	.27	98.37	.17	.408	-.26	.60
50	SIPUNCULA		1					1	1	.27	98.64	.17	.408	-.26	.60
51	ALPHEIDAE						1	1	1	.27	98.91	.17	.408	-.26	.60
52	NEPHTYIDAE	1						1	1	.27	99.18	.17	.408	-.26	.60
53	GLYCERA CAPITATA		1					1	1	.27	99.46	.17	.408	-.26	.60
54	OBELIA SPA						1	1	1	.27	99.73	.17	.408	-.26	.60

55 AMPELISCA ABDITA					1		1	1	.27	100.00	.17	.408	-.26	.60

NO. OF SPECIES	25	30	17	16	23	22	
NO. OF INDIVIDUALS	60	100	31	28	94	55	368

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	IV	55	368	4.5338	.9289	.6364

STATION 6 TRANSECT IV PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PHORONIDA	4		7	1	11	4	27	5	7.87	7.87	4.50	4.037	.26	8.74
2	THYASIRA SPA	1		6	6	4	7	24	5	7.00	14.87	4.00	2.898	.96	7.04
3	CORBULA SWIFTIANA	4		2	9		4	19	4	5.54	20.41	3.17	3.371	-.37	6.71
4	COSSURA DELTA		2	2	4	2	7	17	5	4.96	25.36	2.83	2.401	.31	5.35
5	THARYX MARIONI	5			7	1	4	17	4	4.96	30.32	2.83	2.927	-.24	5.91
6	MALDANIDAE	1	2	3	4	1	3	14	6	4.08	34.40	2.33	1.211	1.06	3.60
7	APANTHURA MAGNIFICA	3	5		2	1	1	12	5	3.50	37.90	2.00	1.789	.12	3.88
8	MAGELONA LONGICORNIS	1		3	2	3	1	10	5	2.92	40.82	1.67	1.211	.40	2.94
9	PSEUDOPHILOMEDES SPB		2		5	2		9	3	2.62	43.44	1.50	1.975	-.57	3.57
10	NEMERTINEA			3	3	3		9	3	2.62	46.06	1.50	1.643	-.22	3.22
11	HARBANSUS PAUCICHELATUS				2		6	8	2	2.33	48.40	1.33	2.422	-1.21	3.88
12	OPHIUROIDEA				1	1	6	8	3	2.33	50.73	1.33	2.338	-1.12	3.79
13	NEPHTYS INCISA		2		1		4	7	3	2.04	52.77	1.17	1.602	-.51	2.85
14	PARAONIS GRACILIS	1		1		1	3	6	4	1.75	54.52	1.00	1.095	-.15	2.15
15	NEREID SPB		1		1	1	2	5	4	1.46	55.98	.83	.753	.04	1.62
16	ASYCHIS SP	1			4			5	2	1.46	57.43	.83	1.602	-.85	2.51
17	PARAONIDAE			2	1		2	5	3	1.46	58.89	.83	.983	-.20	1.87
18	AUTOMATE EVERMANNI	1		1	2		1	5	4	1.46	60.35	.83	.753	.04	1.62
19	CAPITELLID SPC				2		2	4	2	1.17	61.52	.67	1.033	-.42	1.75
20	MARPHYSA SPA			1		2	1	4	3	1.17	62.68	.67	.816	-.19	1.52
21	SIPUNCULA	1			1		2	4	3	1.17	63.85	.67	.816	-.19	1.52
22	SPIONIDAE				2	1	1	4	3	1.17	65.01	.67	.816	-.19	1.52
23	SPIOPHANES KROYERI				3			3	1	.87	65.89	.50	1.225	-.79	1.79
24	ONUPHIS SPA				2		1	3	2	.87	66.76	.50	.837	-.38	1.38
25	SPHAEROSYLLIS CF SUBLAEVIS		1	1		1		3	3	.87	67.64	.50	.548	-.07	1.07
26	LUMBRINERIS ALBIDENTATA	1			2			3	2	.87	68.51	.50	.837	-.38	1.38
27	CAPITELLIDAE	2				1		3	2	.87	69.39	.50	.837	-.38	1.38
28	ARICIDEA NEOSUECICA				2		1	3	2	.87	70.26	.50	.837	-.38	1.38
29	POLYCHAETE SPA			1	1		1	3	3	.87	71.14	.50	.548	-.07	1.07
30	RUTIDERMA SPB	1			2			3	2	.87	72.01	.50	.837	-.38	1.38
31	SIGAMBRA TENTACULATA				1	1		2	2	.58	72.59	.33	.516	-.21	.88
32	SPIOPHANES SP	1					1	2	2	.58	73.18	.33	.516	-.21	.88
33	SCHISTOMERINGOS RUDOLPHI		1	1				2	2	.58	73.76	.33	.516	-.21	.88
34	GLYCERA TESSELATA	1					1	2	2	.58	74.34	.33	.516	-.21	.88
35	PHYLLODOCE MUCOSA		1		1			2	2	.58	74.93	.33	.516	-.21	.88
36	PARANDALIA SPA	1				1		2	2	.58	75.51	.33	.516	-.21	.88
37	AMPELISCA AGASSIZI				1		1	2	2	.58	76.09	.33	.516	-.21	.88
38	MINUSPIO CIRRIFERA				2			2	1	.58	76.68	.33	.816	-.52	1.19
39	PSEUDOPHILOMEDES SPA		1				1	2	2	.58	77.26	.33	.516	-.21	.88
40	PARAONIDES LYRA	1				1		2	2	.58	77.84	.33	.516	-.21	.88
41	SANGUINOLARIA SANGUINOLENTA				2			2	1	.58	78.43	.33	.816	-.52	1.19
42	EUDORELLA MONODON						2	2	1	.58	79.01	.33	.816	-.52	1.19
43	MEDIOMASTUS CALIFORNIENSIS				1		1	2	2	.58	79.59	.33	.516	-.21	.88
44	AMPHARETE AMERICANA	1				1		2	2	.58	80.17	.33	.516	-.21	.88
45	PARAONIS SPA	1					1	2	2	.58	80.76	.33	.516	-.21	.88
46	PARAPRIONOSPIO PINNATA						2	2	1	.58	81.34	.33	.816	-.52	1.19
47	PARAMPHINOME PULCHELLA			1	1			2	2	.58	81.92	.33	.516	-.21	.88
48	AMPELISCA SPA	1			1			2	2	.58	82.51	.33	.516	-.21	.88
49	ARICIDEA JEFFREYSII				1		1	2	2	.58	83.09	.33	.516	-.21	.88
50	LUMBRINERIS PARVAPEDATA			1	1			2	2	.58	83.67	.33	.516	-.21	.88
51	APSEUDES SPB	2						2	1	.58	84.26	.33	.816	-.52	1.19
52	AMPHARETIDAE	1			1			2	2	.58	84.84	.33	.516	-.21	.88
53	TEREBELLID SPA			1	1			2	2	.58	85.42	.33	.516	-.21	.88
54	THARYX ANNULOSUS			2				2	1	.58	86.01	.33	.816	-.52	1.19

55	CLYMENELLA TORQUATA	1					1	2	2	.58	86.59	.33	.516	-.21	.88
56	MYSELLA PLANULATA			1			1	2	2	.58	87.17	.33	.516	-.21	.88
57	CIRROPHORUS LYRIFORMIS				2			2	1	.58	87.76	.33	.816	-.52	1.19
58	VOLVULELLA TEXASIANA	1					1	2	2	.58	88.34	.33	.516	-.21	.88
59	LAONICE CIRRATA				1	1		2	2	.58	88.92	.33	.516	-.21	.88
60	PILARGIIDAE					1		1	1	.29	89.21	.17	.408	-.26	.60
61	LISTRIELLA SPA				1			1	1	.29	89.50	.17	.408	-.26	.60
62	ARMANDIA MACULATA				1			1	1	.29	89.80	.17	.408	-.26	.60
63	POECILOCHAETUS JOHNSONI	1						1	1	.29	90.09	.17	.408	-.26	.60
64	VITRINELLA FLORIDANA						1	1	1	.29	90.38	.17	.408	-.26	.60
65	LOIMIA MEDUSA					1		1	1	.29	90.67	.17	.408	-.26	.60
66	CERATOCEPHALE OCULATA	1						1	1	.29	90.96	.17	.408	-.26	.60
67	SIMENELAIS BOA					1		1	1	.29	91.25	.17	.408	-.26	.60
68	HETEROSPIO LONGISSIMA					1		1	1	.29	91.55	.17	.408	-.26	.60
69	RENILLA MULLERI			1				1	1	.29	91.84	.17	.408	-.26	.60
70	MOLPADIA ADAMANENSIS						1	1	1	.29	92.13	.17	.408	-.26	.60
71	AMPELISCA ANDITA				1			1	1	.29	92.42	.17	.408	-.26	.60
72	ALPHEUS SP						1	1	1	.29	92.71	.17	.408	-.26	.60
73	ABRA AEQUALIS				1			1	1	.29	93.00	.17	.408	-.26	.60
74	NOTOMASTUS LATERICEUS			1				1	1	.29	93.29	.17	.408	-.26	.60
75	ZOANTHARIA				1			1	1	.29	93.59	.17	.408	-.26	.60
76	EXOGONE VERUGERA				1			1	1	.29	93.88	.17	.408	-.26	.60
77	CHASMOCARCINUS MISSISSIPPIENSIS			1				1	1	.29	94.17	.17	.408	-.26	.60
78	PRIONOSPIO STEENSTRUPI				1			1	1	.29	94.46	.17	.408	-.26	.60
79	NINOE NIGRIPES		1					1	1	.29	94.75	.17	.408	-.26	.60
80	POLYDORA CF CONCHARUM	1						1	1	.29	95.04	.17	.408	-.26	.60
81	ASYCHIS ELONGATA				1			1	1	.29	95.34	.17	.408	-.26	.60
82	HEMICYCLOPS SP				1			1	1	.29	95.63	.17	.408	-.26	.60
83	PTILANTHURA CF TRICARINA				1			1	1	.29	95.92	.17	.408	-.26	.60
84	HYDROZOA						1	1	1	.29	96.21	.17	.408	-.26	.60
85	SPIOCHAETOPTERUS COSTARUM			1				1	1	.29	96.50	.17	.408	-.26	.60
86	UNCIOLA SERRATA			1				1	1	.29	96.79	.17	.408	-.26	.60
87	KALLIAPSEUDES SPA						1	1	1	.29	97.08	.17	.408	-.26	.60
88	XENANTHURA BREVITELSON	1						1	1	.29	97.38	.17	.408	-.26	.60
89	AMPELISCA SP				1			1	1	.29	97.67	.17	.408	-.26	.60
90	LOVENELLA GRANDIS	1						1	1	.29	97.96	.17	.408	-.26	.60
91	GONIADA MACULATA				1			1	1	.29	98.25	.17	.408	-.26	.60
92	CALLINECTES SIMILIS				1			1	1	.29	98.54	.17	.408	-.26	.60
93	CLYTIA LONGICYATHA	1						1	1	.29	98.83	.17	.408	-.26	.60
94	MAGELONA SP	1						1	1	.29	99.13	.17	.408	-.26	.60
95	HETEROPHOXUS CF OCULATUS						1	1	1	.29	99.42	.17	.408	-.26	.60
96	SIMENOLEPIS CF JAPONICA		1					1	1	.29	99.71	.17	.408	-.26	.60
97	TEREBELLIDAE			1				1	1	.29	100.00	.17	.408	-.26	.60

NO. OF SPECIES	32	12	25	53	25	40	
NO. OF INDIVIDUALS	46	20	46	102	45	84	343

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	IV	97	343	5.8009	.9735	.8763

STATION 7 TRANSECT IV PERIOD 77FALL

	SPECIES	REPLICATE 1	2	3	4	5	6	TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
1	PARAPRIONOSPIO PINNATA	7	1	6	3	4	8	29	6	13.55	13.55	4.83	2.639	2.06	7.60
2	PARAONIS GRACILIS	5	2	3	4	7	6	27	6	12.62	26.17	4.50	1.871	2.54	6.46
3	THARYX MARIONI	1		6	1	2	8	18	5	8.41	34.58	3.00	3.225	-.38	6.38
4	SIGAMBRA TENTACULATA	2		1	1	2	1	7	5	3.27	37.85	1.17	.753	.38	1.96
5	PARAONIS SPA	1	1			2	3	7	4	3.27	41.12	1.17	1.169	-.06	2.39
6	NEMERTINEA		1	2		3	1	7	4	3.27	44.39	1.17	1.169	-.06	2.39
7	PARALACYDONIA PARADOXA	2	1	1	1	1	1	7	6	3.27	47.66	1.17	.408	.74	1.60
8	HETEROPHOXUS CF OCULATUS	1	1	1			3	6	4	2.80	50.47	1.00	1.095	-.15	2.15
9	SIPUNCULA	1	2	2		1		6	4	2.80	53.27	1.00	.894	.06	1.94
10	AMPELISCA SPA	1	1	1		2		5	4	2.34	55.61	.83	.753	.04	1.62
11	COSSURA DELTA		1	2	1	1		5	4	2.34	57.94	.83	.753	.04	1.62
12	PITAR CORDATUS	1		1			3	5	3	2.34	60.28	.83	1.169	-.39	2.06
13	SYLLIS SPC		3	1			1	5	3	2.34	62.62	.83	1.169	-.39	2.06
14	SAOGUINOLARIA SANGUINOLENTA						5	5	1	2.34	64.95	.83	2.041	-1.31	2.98
15	THARYX ANNULOSUS		4					4	1	1.87	66.82	.67	1.633	-1.05	2.38
16	THYASIRA PYGMAEA		1	1		1	1	4	4	1.87	68.69	.67	.516	.12	1.21
17	ALTERNOCHELATA SPA			2			1	3	2	1.40	70.09	.50	.837	-.38	1.38
18	STERNASPIS SCUTATA		1	1			1	3	3	1.40	71.50	.50	.548	-.07	1.07
19	PARAONIDES LYRA					2	1	3	2	1.40	72.90	.50	.837	-.38	1.38
20	FALCIDENS SPA	1		1			1	3	3	1.40	74.30	.50	.548	-.07	1.07
21	AGLAOPHAMUS CIRCINATA			2			1	3	2	1.40	75.70	.50	.837	-.38	1.38
22	OSTRACOD SPAA			1	1			2	2	.93	76.64	.33	.516	-.21	.88
23	ANCISTROSYLLIS PAPILLOSA	2						2	1	.93	77.57	.33	.816	-.52	1.19
24	ARICIDEA NEOSUECICA	1					1	2	2	.93	78.50	.33	.516	-.21	.88
25	ONUPHIS SPB		2					2	1	.93	79.44	.33	.816	-.52	1.19
26	SPIONIDAE						2	2	1	.93	80.37	.33	.816	-.52	1.19
27	ABRA AEQUALIS					1	1	2	2	.93	81.31	.33	.516	-.21	.88
28	HYALA SPA		1			1		2	2	.93	82.24	.33	.516	-.21	.88
29	NEPHTYS INCISA						2	2	1	.93	83.18	.33	.816	-.52	1.19
30	GNATHIA SP		2					2	1	.93	84.11	.33	.816	-.52	1.19
31	XENANTHURA BREVITELSON			1				1	1	.47	84.58	.17	.408	-.26	.60
32	NOCULANA ACUTA			1				1	1	.47	85.05	.17	.408	-.26	.60
33	AUTOMATE EVERMANNI			1				1	1	.47	85.51	.17	.408	-.26	.60
34	NINOE NIGRIPES			1				1	1	.47	85.98	.17	.408	-.26	.60
35	AMPHARETE ACUTIFRONS	1						1	1	.47	86.45	.17	.408	-.26	.60
36	VOLVULELLA PERSIMILIS	1						1	1	.47	86.92	.17	.408	-.26	.60
37	PRIONOSPIO STEENSTRUPI					1		1	1	.47	87.38	.17	.408	-.26	.60
38	VAUNTHOMPSONIA SP					1		1	1	.47	87.85	.17	.408	-.26	.60
39	SCUTOPUS SPA	1						1	1	.47	88.32	.17	.408	-.26	.60
40	OPHIUROIDEA		1					1	1	.47	88.79	.17	.408	-.26	.60
41	ONUPHIS SPA					1		1	1	.47	89.25	.17	.408	-.26	.60
42	PROCHAETODERMA SPA					1		1	1	.47	89.72	.17	.408	-.26	.60
43	AMPELISCA ABDITA				1			1	1	.47	90.19	.17	.408	-.26	.60
44	ONUPHIS SP		1					1	1	.47	90.65	.17	.408	-.26	.60
45	ARMANDIA MACULATA	1						1	1	.47	91.12	.17	.408	-.26	.60
46	LUMBRINERIS PARVAPEDATA		1					1	1	.47	91.59	.17	.408	-.26	.60
47	POLYCHAETE SPA						1	1	1	.47	92.06	.17	.408	-.26	.60
48	MOIRA ATROPOS						1	1	1	.47	92.52	.17	.408	-.26	.60
49	LEPIDOSTYLIS SP						1	1	1	.47	92.99	.17	.408	-.26	.60
50	DENTALIUM SOWERBYI						1	1	1	.47	93.46	.17	.408	-.26	.60
51	AMPHIPODA					1		1	1	.47	93.93	.17	.408	-.26	.60
52	PHILOMEDES SPA			1				1	1	.47	94.39	.17	.408	-.26	.60
53	MEDIOMASTUS CALIFORNIENSIS				1			1	1	.47	94.86	.17	.408	-.26	.60
54	CUMACEAN SPI				1			1	1	.47	95.33	.17	.408	-.26	.60

55 GONIADA NORVEGICA				1			1	1	.47	95.79	.17	.408	-.26	.60
56 TEREBELLIDES STROEMII						1	1	1	.47	96.26	.17	.408	-.26	.60
57 VITRINELLA FLORIDANA						1	1	1	.47	96.73	.17	.408	-.26	.60
58 SARSIELLA SPF		1					1	1	.47	97.20	.17	.408	-.26	.60
59 CUMACEAN SPF						1	1	1	.47	97.66	.17	.408	-.26	.60
60 HARBANSUS PAUCICHELATUS						1	1	1	.47	98.13	.17	.408	-.26	.60
61 NEPHTYIDAE				1			1	1	.47	98.60	.17	.408	-.26	.60
62 THYASIRA SPA					1		1	1	.47	99.07	.17	.408	-.26	.60
63 CAPRELLID			1				1	1	.47	99.53	.17	.408	-.26	.60
64 SPIOPHANES LONGICIRRUS				1			1	1	.47	100.00	.17	.408	-.26	.60

NO. OF SPECIES	17	20	24	13	20	29	
NO. OF INDIVIDUALS	30	29	41	18	36	60	214

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	IV	64	214	5.0874	.9513	.8125

TABLE 2

LIST OF INVERTEBRATE EPIFAUNAL SPECIES
AND THEIR ABUNDANCES FOR EACH TRAWL COLLECTION.
SPECIES ARE RANKED BY ABUNDANCE

Explanation of Table:

RANK - species ranked by total day-night abundance
M - males
FM - females
FAE - Females with eggs
DIVERSITY - Shannon-Wiener diversity index
PIE - Hurlbert's Probability of Interspecific Encounter
EQUITABILITY - Lloyd and Ghelardi's measure of evenness

STATION 1 TRANSECT 1 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS	8		8		60	11	49		68	11	57	
2	SQUILLA EMPUSA	1		1		29	14	15		30	14	16	
3	PENAEUS SETIFERUS	1		1		10	4	6		11	4	7	
4	SICYONIA DORSALIS					2	2			2	2		
	NO. OF SPECIES	3				4				4			
	NO. OF INDIVIDUALS	10		10		101	31	70		111	31	80	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	1	4	111	1.3804	.5464	.7500

STATION 2 TRANSECT 1 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F∧E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F∧E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F∧E
1	TRACHYPENAEUS SIMILIS					31	3	28		31	3	28	
2	SQUILLA CHYDAEA					18	7	11		18	7	11	
3	SICYONIA DORSALIS					11	4	7		11	4	7	
4	PENAEUS AZTECUS					4	3	1		4	3	1	
5	CALLINECTES SIMILIS					2	1	1		2	1	1	
6	PORTUNUS SPINICARPUS					2		2		2		2	
7	PENAEUS SETIFERUS					1		1		1		1	
8	SQUILLA EMPUSA					1	1			1	1		
	NO. OF SPECIES					8				8			
	NO. OF INDIVIDUALS					70	19	51		70	19	51	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	8	70	2.1515	.7180	.7500

STATION 3 TRANSECT 1 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS SPINICARPUS					6	6			6	6		
2	SOLENOCERA VIOSCAI					2		2		2		2	
3	ANASIMUS LATUS					2		2	2	2		2	2
4	PAGURUS BULLISI					1				1			
5	AMUSIUM PAPYRACEUS					1				1			
6	CERIANTHARIA	1								1			
7	BRISSOPSIS ALTA					1				1			
8	GORGONACEA					1				1			
	NO. OF SPECIES	1				7				8			
	NO. OF INDIVIDUALS	1				14	6	4	2	15	6	4	2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	1	8	15	2.6106	.8381	1.0000

STATION 4 TRANSECT 1 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS	27	2	25		43	6	36		70	8	61	
2	SQUILLA EMPUSA	16	10	6		45	14	31		61	24	37	
3	PENAEUS SETIFERUS	14	9	5		12	8	4		26	17	9	
4	SICYONIA DORSALIS	1	1			1	1			2	2		
5	PORTUNUS GIBBESII					1	1			1	1		
	NO. OF SPECIES	4				5				5			
	NO. OF INDIVIDUALS	58	22	36		102	30	71		160	52	107	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	5	160	1.6056	.6406	.8000

STATION 5 TRANSECT 1 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PENAEUS AZTECUS					13	6	7		13	6	7	
2	CALLINECTES SIMILIS					5		5		5		5	
3	PORTUNUS SPINICARPUS	2	1	1	1					2	1	1	1
4	AMUSIUM PAPYRACEUS	1								1			
5	ANASIMUS LATUS	1		1	1					1		1	1
	NO. OF SPECIES	3				2				5			
	NO. OF INDIVIDUALS	4	1	2	2	18	6	12		22	7	14	2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	5	22	1.6569	.6147	.8000

STATION 6 TRANSECT 1 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	AMUSIUM PAPYRACEUS					6				6			
2	PORTUNUS SPINICARPUS	1		1	1	3	2	1	1	4	2	2	2
3	PENAEUS AZTECUS					2		2		2		2	
4	ANADARA BAUGHMANI	1								1			
5	STENORHYNCHUS SETICORNIS	1	1							1	1		
6	EUPHROSYNOPLAX CLAUSI	1	1							1	1		
7	ANASIMUS LATUS	1	1							1	1		
	NO. OF SPECIES	5				3				7			
	NO. OF INDIVIDUALS	5	3	1	1	11	2	3	1	16	5	4	2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	7	16	2.4096	.8167	1.0000

STATION 1 TRANSECT 2 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS					16	5	10		16	5	10	
2	SICYONIA DORSALIS	1		1		6	2	4		7	2	5	
3	SQUILLA EMPUSA					2		2		2		2	
4	PORTUNUS GIBBESII					1	1			1	1		
5	ASTROPECTEN DUPLICATUS					1				1			
6	PENAEUS SETIFERUS					1	1			1	1		
7	RENILLA MULLERI					1				1			
	NO. OF SPECIES	1				7				7			
	NO. OF INDIVIDUALS	1		1		28	9	16		29	9	17	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	2	7	29	1.9076	.6502	.7143

STATION 2 TRANSECT 2 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SICYONIA DORSALIS					18	10	8		18	10	8	
2	PENAEUS AZTECUS					5	4	1		5	4	1	
3	SOLENOCERA VIOSCAI					4	3	1		4	3	1	
4	TRACHYPENAEUS SIMILIS					4	1	3		4	1	3	
5	SQUILLA CHYDAEA					2	1	1		2	1	1	
6	ASTROPECTEN DUPLICATUS	1								1			
7	CALLINECTES SIMILIS					1	1			1	1		
	NO. OF SPECIES	1				6				7			
	NO. OF INDIVIDUALS	1				34	20	14		35	20	14	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	2	7	35	2.1423	.7042	.8571

STATION 3 TRANSECT 2 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	ASTROPECTEN CINGULATUS	1								1			
2	ANASIMUS LATUS					1	1			1	1		
3	PORTUNUS SPINICARPUS					1		1	1	1		1	1
	NO. OF SPECIES	1				2				3			
	NO. OF INDIVIDUALS	1				2	1	1	1	3	1	1	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	2	3	3	1.5876	1.0000	1.3333

STATION 4 TRANSECT 2 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SICYONIA DORSALIS	2	1	1		37	16	20		39	17	21	
2	TRACHYPENAEUS SIMILIS					28	6	22		28	6	22	
3	RENILLA MULLERI					4				4			
4	SQUILLA CHYDAEA					2		2		2		2	
5	PORTUNUS SPINIMANUS					2		2		2		2	
6	PORTUNUS GIBBESII					2	1	1	1	2	1	1	1
7	PENAEUS AZTECUS					2	1	1		2	1	1	
8	EUPHROSYNOPLAX CLAUSI					1	1			1	1		
	NO. OF SPECIES	1				8				8			
	NO. OF INDIVIDUALS	2	1	1		78	25	48	1	80	26	49	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	2	8	80	1.8658	.6427	.6250

STATION 5 TRANSECT 2 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					27	6	20		27	6	20	
2	AMUSIUM PAPYRACEUS	2				14				16			
3	CALLINECTES SIMILIS	4		4		8	2	6		12	2	10	
4	SQUILLA CHYDAEA					7	3	4		7	3	4	
5	PENAEUS AZTECUS					3		3		3		3	
6	ANASIMUS LATUS					1		1	1	1		1	1
7	ANADARA BAUGHMANI	1								1			
8	PITAR CORDATUS	1								1			
9	SICYONIA BREVIROSTRIS					1		1		1		1	
	NO. OF SPECIES	4				7				9			
	NO. OF INDIVIDUALS	8		4		61	11	35	1	69	11	39	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	2	9	69	2.3471	.7609	.7778

STATION 6 TRANSECT 2 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F∧E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F∧E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F∧E
1	AMUSIUM PAPYRACEUS	14				35				49			
2	SOLENOCERA VIOSCAI					14	1	13		14	1	13	
3	PORTUNUS SPINICARPUS	1		1		4		4		5		5	
4	ASTROPECTEN CINGULATUS	4								4			
5	PENAEUS AZTECUS					2		2		2		2	
6	PITAR CORDATUS	2								2			
7	SQUILLA CHYDAEA					2	1	1		2	1	1	
8	ATRINA SEMINUDA	1								1			
9	EUPHROSYNOPLAX CLAUSI	1	1							1	1		
10	PAGURUS BULLISI	1								1			
11	PARAPENAEUS LONGIROSTRIS					1		1		1		1	
12	ANADARA BAUGHMANI	1								1			
13	RANINOIDES LOUISIANENSIS	1		1						1		1	
	NO. OF SPECIES	9				6				13			
	NO. OF INDIVIDUALS	26	1	2		58	2	21		84	3	23	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	2	13	84	2.1812	.6311	.4615

STATION 1 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS	86	17	68		46	7	39		132	24	107	
2	SICYONIA DORSALIS	15	7	8		11	4	7		26	11	15	
3	SQUILLA CHYDAEA	11	10	1		3		3		14	10	4	
4	CALLINECTES SIMILIS	2	1	1		5	3	2		7	4	3	
5	PENAEUS SETIFERUS					4		4		4		4	
6	PORTUNUS GIBBESII	3	3			1	1			4	4		
7	SQUILLA EMPUSA	2	2			1		1		3	2	1	
8	PENAEUS AZTECUS	2	1	1						2	1	1	
9	PORTUNUS SPINICARPUS					1		1		1		1	
10	ASTROPECTEN DUPLICATUS					1				1			
	NO. OF SPECIES	7				9				10			
	NO. OF INDIVIDUALS	121	41	79		73	15	57		194	56	136	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	3	10	194	1.6863	.5140	.4000

STATION 2 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	ASTROPECTEN CINGULATUS					9				9			
2	SICYONIA DORSALIS	6	1	5						6	1	5	
3	CALLINECTES SIMILIS	2		2		1		1		3		3	
4	SQUILLA CHYDAEA	2		2		1	1			3	1	2	
5	ASTROPECTEN DUPLICATUS	1								1			
6	AMUSIUM PAPYRACEUS	1								1			
7	SOLENOCERA VIOSCAI	1		1						1		1	
8	ANASIMUS LATUS					1		1		1		1	
9	PENAEUS AZTECUS					1	1			1	1		
	NO. OF SPECIES	6				5				9			
	NO. OF INDIVIDUALS	13	1	10		13	2	2		26	3	12	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	3	9	26	2.6452	.8246	1.0000

STATION 3 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS SPINICARPUS					8	2	6	5	8	2	6	5
2	AMUSIUM PAPYRACEUS	1				3				4			
3	ANASIMUS LATUS					4	2	2	2	4	2	2	2
4	SOLENOCERA VIOSCAI					3		3		3		3	
5	SQUILLA CHYDAEA					2		2		2		2	
6	MOIRA ATROPOS	1								1			
7	BRYOZOA					1				1			
8	CALLINECTES SIMILIS	1	1							1	1		
9	THALASSOPLAX ANGUSTA					1	1			1	1		
10	ANADARA BAUGHMANI					1				1			
11	PORCELLANA SIGSBEIANA					1		1		1		1	
12	PORTUNUS GIBBESII	1		1						1		1	
	NO. OF SPECIES	4				9				12			
	NO. OF INDIVIDUALS	4	1	1		24	5	14	7	28	6	15	7

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	3	12	28	3.1427	.8836	1.0000

STATION 4 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS	2	1	1		16	1	15		18	2	16	
2	TRACHYPENAEUS CONSTRICTUS					9	2	7		9	2	7	
3	PORTUNUS GIBBESII	3	1	2		3	2	1		6	3	3	
4	SQUILLA EMPUSA					5	4	1		5	4	1	
5	PENAEUS SETIFERUS	3	1	2		1		1		4	1	3	
6	SICYONIA DORSALIS					2	1	1		2	1	1	
7	HEPATUS EPHELITICUS					1				1			
8	LIBINIA DUBIA	1		1						1		1	
	NO. OF SPECIES	4				7				8			
	NO. OF INDIVIDUALS	9	3	6		37	10	26		46	13	32	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	3	8	46	2.4688	.7865	1.0000

STATION 5 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SQUILLA CHYDAEA	15	7	8		62	25	37		77	32	45	
2	TRACHYPENAEUS SIMILIS	27	3	24		43	11	32		70	14	56	
3	SICYONIA DORSALIS	11	3	8		46	21	25		57	24	33	
4	SOLENOCERA VIOSCAI					5		5		5		5	
5	PORTUNUS GIBBESII					3		3	1	3		3	1
6	CALLINECTES SIMILIS	2	1	1		1	1			3	2	1	
7	ASTROPECTEN DUPLICATUS	2								2			
8	PENAEUS SETIFERUS	1		1		1		1		2		2	
9	SQUILLA EMPUSA					1	1			1	1		
	NO. OF SPECIES	6				8				9			
	NO. OF INDIVIDUALS	58	14	42		162	59	103	1	220	73	145	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	3	9	220	2.0157	.7113	.6667

STATION 6 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F&E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F&E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F&E
1	PORTUNUS SPINICARPUS					3	2	1		3	2	1	
2	ANASIMUS LATUS					1		1	1	1		1	1
3	RANINOIDES LOUISIANENSIS	1	1							1	1		
4	PARAPENAEUS LONGIROSTRIS	1		1						1		1	
	NO. OF SPECIES	2				2				4			
	NO. OF INDIVIDUALS	2	1	1		4	2	2	1	6	3	3	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	3	4	6	1.7955	.8000	1.0000

STATION 1 TRANSECT 4 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS	1		1		128	39	88		129	39	89	
2	SICYONIA BREVIROSTRIS	1		1		2	1	1		3	1	2	
3	SICYONIA DORSALIS					3	2	1		3	2	1	
4	PENAEUS DUORARUM	1		1		1		1		2		2	
5	SQUILLA EMPUSA					1		1		1		1	
6	HEPATUS EPHELITICUS					1	1			1	1		
7	SQUILLA CHYDAEA					1		1		1		1	
8	ASTROPECTEN DUPLICATUS					1				1			
	NO. OF SPECIES	3				8				8			
	NO. OF INDIVIDUALS	3		3		138	43	93		141	43	96	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	4	8	141	.6445	.1628	.2500

STATION 2 TRANSECT 4 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					6	1	5		6	1	5	
2	PENAEUS AZTECUS					2	2			2	2		
3	TRACHYPENAEUS SIMILIS					2		2		2		2	
	NO. OF SPECIES					3				3			
	NO. OF INDIVIDUALS					10	3	7		10	3	7	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	4	3	10	1.3732	.6222	1.0000

STATION 3 TRANSECT 4 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY FAE	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT FAE	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL FAE
1	AMUSIUM PAPYRACEUS					2				2			
2	SOLENOCERA VIOSCAI					2		2		2		2	
	NO. OF SPECIES					2				2			
	NO. OF INDIVIDUALS					4		2		4		2	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	4	2	4	1.0017	.6667	1.0000

STATION 4 TRANSECT 4 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS	2		2		1		1		3		3	
2	RENILLA MULLERI					2				2			
3	PORTUNUS GIBBESII	1		1		1		1		2		2	
4	SQUILLA EMPUSA	1		1						1		1	
5	PENAEUS SETIFERUS					1		1		1		1	
6	SQUILLA CHYDAEA					1		1		1		1	
	NO. OF SPECIES	3				5				6			
	NO. OF INDIVIDUALS	4		4		6		4		10		8	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	4	6	10	2.4505	.8889	1.1667

STATION 5 TRANSECT 4 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F&E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F&E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F&E
1	TRACHYPENAEUS SIMILIS	9	2	7		31	4	27		40	6	34	
2	SQUILLA CHYDAEA	1		1		17	4	13		18	4	14	
3	SICYONIA DORSALIS	1	1			14	7	7		15	8	7	
4	PORTUNUS GIBBESII					4	3	1		4	3	1	
5	ASTROPECTEN DUPLICATUS					4				4			
6	PENAEUS AZTECUS	1	1			1	1			2	2		
7	CALLINECTES SIMILIS					1		1		1		1	
8	SICYONIA BREVIROSTRIS					1	1			1	1		
9	PORTUNUS SPINICARPUS	1		1						1		1	
	NO. OF SPECIES	5				8				9			
	NO. OF INDIVIDUALS	13	4	9		73	20	49		86	24	58	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	4	9	86	2.1911	.7124	.6667

STATION 6 TRANSECT 4 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PENAEUS AZTECUS					3	2	1		3	2	1	
2	AMUSIUM PAPYRACEUS					1				1			
3	SQUILLA CHYDAEA					1		1		1		1	
4	SOLENOCERA VIOSCAI					1		1		1		1	
	NO. OF SPECIES					4				4			
	NO. OF INDIVIDUALS					6	2	3		6	2	3	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	4	4	6	1.7955	.8000	1.0000

STATION 7 TRANSECT 4 PERIOD 77WINTER

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	BRISSOPSIS ALTA	3								3			
2	PENAEUS AZTECUS					1	1			1	1		
3	ANADARA BAUGHMANI	1								1			
	NO. OF SPECIES	2				1				3			
	NO. OF INDIVIDUALS	4				1	1			5	1		

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	4	3	5	1.3732	.7000	1.0000

STATION 1 TRANSECT 1 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F∧E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F∧E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F∧E
1	PENAEUS AZTECUS	4	2	2		199	21	39		203	23	41	
2	TRACHYPENAEUS SIMILIS					64	10	54		64	10	54	
3	SQUILLA EMPUSA					51	28	23		51	28	23	
4	CALLINECTES SIMILIS					36	25	11		36	25	11	
5	OVALIPES FLORIDANUS					4	4			4	4		
6	CALIACTIS TRICOLOR	3								3			
7	PENAEUS SETIFERUS	1	1			2	1	1		3	2	1	
8	PAGURUS POLLICARIS	1								1			
9	SICYONIA DORSALIS					1		1		1		1	
10	PORTUNUS GIBBESII					1	1			1	1		
11	PENAEUS DUORARUM					1	1			1	1		
	NO. OF SPECIES	4				9				11			
	NO. OF INDIVIDUALS	9	3	2		359	91	129		368	94	131	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	1	11	368	1.9154	.6381	.4545

STATION 2 TRANSECT 1 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS					84	14	46		84	14	46	
2	AMUSIUM PAPYRACEUS	6				66				72			
3	SICYONIA DORSALIS	3	2	1		51	20	31		54	22	32	
4	CALLINECIES SIMILIS					21	17	4		21	17	4	
5	SQUILLA CHYDAEA					9	7	2		9	7	2	
6	SOLENOCERA VIOSCAI					8	3	5		8	3	5	
7	PENAEUS AZTECUS					3	2	1		3	2	1	
8	PORTUNUS SPINICARPUS					1	1			1	1		
9	SQUILLA EMPUSA					1	1			1	1		
10	ASTROPECTEN DUPLICATUS	1								1			
11	OVALIPES FLORIDANUS					1	1			1	1		
12	FIMBRIA SPA	1								1			
13	PORTUNUS SPINIMANUS					1	1			1	1		
	NO. OF SPECIES	4				11				13			
	NO. OF INDIVIDUALS	11	2	1		246	67	89		257	69	90	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	13	257	2.4007	.7644	.6154

STATION 3 TRANSECT 1 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					26	7	19		26	7	19	
2	PARAPENAEUS LONGIROSTRIS					8		8		8		8	
3	CERIANTHARIA SPA	3								3			
4	PORTUNUS SPINICARPUS					3	1	2		3	1	2	
5	SICYONIA STIMPSONI					1		1		1		1	
6	ASTROPECTEN CINGULATUS	1								1			
7	OPHIUROIDEA	1								1			
8	DARDANUS INSIGNIS	1								1			
9	AMOSIUM PAPYRACEUS					1				1			
10	TRACHYPENAEUS SIMILIS	1	1							1	1		
	NO. OF SPECIES	5				5				10			
	NO. OF INDIVIDUALS	7	1			39	8	30		46	9	30	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	1	10	46	2.1419	.6531	.6000

STATION 4 TRANSECT 1 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS					70	9	58		70	9	58	
2	CALLINECTES SIMILIS					67	40	24		67	40	24	
3	SQUILLA EMPUSA					61	33	28		61	33	28	
4	PENAEUS AZTECUS	6	2	4		51	24	27		57	26	31	
5	PENAEUS DUORARUM	2	1	1		12	7	5		14	8	6	
6	PENAEUS SETIFERUS	7	5	2		6	4	2		13	9	4	
7	OVALIPES FLORIDANUS					9	9			9	9		
8	CALIACTIS TRICOLOR					5				5			
9	PORTUNUS GIBBESII					5	3	2		5	3	2	
10	ACTINIARIA SPE					1				1			
11	HEPATUS EPHELITICUS					1		1		1		1	
	NO. OF SPECIES	3				11				11			
	NO. OF INDIVIDUALS	15	8	7		288	129	147		303	137	154	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	11	303	2.6936	.8191	.8182

STATION 5 TRANSECT 1 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					46	6	40		46	6	40	
2	SICYONIA BREVIROSTRIS					16	10	6		16	10	6	
3	PENAEUS AZTECUS					14	12	2		14	12	2	
4	TRACHYPENAEUS SIMILIS					10		10		10		10	
5	PORTUNUS SPINICARPUS					8	5	3		8	5	3	
6	AMOSIUM PAPYRACEUS					3				3			
7	SQUILLA CHYDAEA					3	2	1		3	2	1	
8	SICYONIA DORSALIS					1		1		1		1	
9	ASTROPECTEN DUPLICATUS					1				1			
10	LEIOLAMBROS NITIDUS					1	1			1	1		
	NO. OF SPECIES					10				10			
	NO. OF INDIVIDUALS					103	36	63		103	36	63	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	10	103	2.4370	.7478	.8000

STATION 6 TRANSECT 1 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					31	6	25		31	6	25	
2	PARAPENAEUS LONGIROSTRIS					5		5		5		5	
3	AMUSIUM PAPYRACEUS	1				2				3			
4	SICYONIA STIMPSONI					2		2		2		2	
5	ANADARA BAUGHMANI					2				2			
6	PORTUNUS SPINICARPUS	1		1		1		1		2		2	
7	ASTROPECTEN CINGULATUS	2								2			
8	SQUILLA CHYDAEA	1	1							1	1		
9	CERIANTHARIA SPA	1								1			
10	PILUMNUS SP					1		1		1		1	
11	PARAPANDALUS CF LONGICAUDA					1		1	1	1		1	1
	NO. OF SPECIES	5				8				11			
	NO. OF INDIVIDUALS	6	1	1		45	6	35	1	51	7	36	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	11	51	2.1869	.6224	.5455

STATION 1 TRANSECT 2 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F*E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F*E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F*E
1	PENAEUS AZIECUS					60	18	42		60	18	42	
2	CALLINECTES SIMILIS					50	24	26		50	24	26	
3	TRACHYPENAEUS SIMILIS					39	6	33		39	6	33	
4	CALLINECTES SAPIDUS					1		1	1	1		1	1
5	ASTROPECTEN DUPLICATUS	1								1			
6	SQUILLA EMPUSA					1	1			1	1		
7	SQUILLA CHYDAEA					1	1			1	1		
	NO. OF SPECIES	1				6				7			
	NO. OF INDIVIDUALS	1				152	50	102	1	153	50	102	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	2	7	153	1.7522	.6787	.7143

STATION 2 TRANSECT 2 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS SPINICARPUS	1		1		93	47	44		94	47	45	
2	SICYONIA DORSALIS	3		3		40	23	17		43	23	20	
3	TRACHYPENAEUS SIMILIS	1		1		40	5	35		41	5	36	
4	AMUSIUM PAPYRACEUS	1				38				39			
5	ASTROPECTEN DUPLICATUS	2				21				23			
6	LEIOLAMBRUS NITIDUS					23	8	15		23	8	15	
7	SOLENOCERA VIOSCAI					23	3	20		23	3	20	
8	SQUILLA CHYDAEA	1		1		11	5	6		12	5	7	
9	PENAEUS AZTECUS	3	1	2		3	1	2		6	2	4	
10	LAEVICARDIUM LAEVIGATUM					4				4			
11	HEPATUS EPHELITICUS	1		1		2	1	1		3	1	2	
12	PSEUDORHOMBILA QUADRIDENTATA					3	3			3	3		
13	EUPHROSYNOPLAX CLAUSI					3	1	2		3	1	2	
14	CALIACTIS TRICOLOR					2				2			
15	ANASIMUS LATUS	1	1			1	1			2	2		
16	MACOMA PULLEYI					1				1			
17	STENORHYNCHUS SETICORNIS					1		1	1	1		1	1
18	PORTUNUS SPINIMANUS					1		1		1		1	
19	ATRINA SEMINUDA					1				1			
20	SICYONIA STIMPSONI					1		1		1		1	
21	FIMBRIA SPA					1				1			
22	CALLINECTES SIMILIS					1		1		1		1	
23	ANADARA BAUGHMANI					1				1			
24	SQUILLA EMPUSA					1		1		1		1	
	NO. OF SPECIES	9				24				24			
	NO. OF INDIVIDUALS	14	2	9		316	98	147	1	330	100	156	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	2	24	330	3.3046	.8583	.6250

STATION 3 TRANSECT 2 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					15	6	9		15	6	9	
2	PARAPENAEUS LONGIROSTRIS					8	2	6		8	2	6	
3	MOIRA ATROPOS					1				1			
	NO. OF SPECIES					3				3			
	NO. OF INDIVIDUALS					24	8	15		24	8	15	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	2	3	24	1.1451	.5181	1.0000

STATION 4 TRANSECT 2 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS					75	11	64		75	11	64	
2	PENAEUS AZTECUS	1		1		29	10	19		30	10	20	
3	CALLINECTES SIMILIS					25	16	9	1	25	16	9	1
4	ASTROPECTEN DUPLICATUS					5				5			
5	SICYONIA DORSALIS					4		4		4		4	
6	PORTUNUS SPINICARPUS					3	2	1		3	2	1	
7	SOLENOCERA VIOSCAI					3	1	2		3	1	2	
8	MACOMA PULLEYI					2				2			
9	AMUSIUM PAPYRACEUS					2				2			
10	SQUILLA CHYDAEA					2	1	1		2	1	1	
11	LEIOLAMBRUS NITIDUS					1		1		1		1	
12	PORTUNUS GIBBESII					1	1			1	1		
	NO. OF SPECIES	1				12				12			
	NO. OF INDIVIDUALS	1		1		152	42	101	1	153	42	102	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	2	12	153	2.2573	.6960	.5833

STATION 5 TRANSECT 2 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					50	13	37		50	13	37	
2	SQUILLA CHYDAEA					4	2	2		4	2	2	
3	AMOSIUM PAPYRACEUS					3				3			
4	PORTUNUS SPINICARPUS					2	1	1		2	1	1	
5	PENAEUS AZTECUS					2	2			2	2		
6	PARAPENAEUS LONGIROSTRIS					2	2			2	2		
7	SICYONIA BREVIROSTRIS					1	1			1	1		
	NO. OF SPECIES					7				7			
	NO. OF INDIVIDUALS					64	21	40		64	21	40	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	2	7	64	1.2998	.3864	.4286

STATION 6 TRANSECT 2 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					20	3	17		20	3	17	
2	PARAPENAEUS LONGIROSTRIS					4		4		4		4	
3	SICYONIA STIMPSONI					2		2		2		2	
4	SQUILLA CHYDAEA					1	1			1	1		
5	PENAEUS AZTECUS					1		1		1		1	
6	AMUSIUM PAPYRACEUS					1				1			
7	ANADARA BAUGHMANI					1				1			
	NO. OF SPECIES					7				7			
	NO. OF INDIVIDUALS					30	4	24		30	4	24	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	2	7	30	1.6951	.5471	.5714

STATION 1 TRANSECT 3 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F&E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F&E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F&E
1	PENAEUS AZTECUS	7	3	4		78	39	39		85	42	43	
2	CALLINECTES SIMILIS	2	2			20	9	11		22	11	11	
3	TRACHYPENAEUS SIMILIS					9		9		9		9	
4	SQUILLA EMPUSA					9	6	3		9	6	3	
5	PENAEUS SETIFERUS					2	1	1		2	1	1	
6	OVALIPES FLORIDANUS					1	1			1	1		
7	PORTUNUS GIBBESII					1		1	1	1		1	1
8	SQUILLA CHYDAEA					1		1		1		1	
	NO. OF SPECIES	2				8				8			
	NO. OF INDIVIDUALS	9	5	4		121	56	65	1	130	61	69	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	3	8	130	1.6253	.5380	.5000

STATION 2 TRANSECT 3 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					19	3	16		19	3	16	
2	TRACHYPENAEUS SIMILIS					11	1	10		11	1	10	
3	PORTUNUS SPINICARPUS					2		2		2		2	
4	PARAPENAEUS LONGIROSTRIS					1		1		1		1	
5	SQUILLA CHYDAEA					1		1		1		1	
6	PENAEUS AZTECUS					1		1		1		1	
	NO. OF SPECIES					6				6			
	NO. OF INDIVIDUALS					35	4	31		35	4	31	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	3	6	35	1.6817	.6185	.6667

STATION 3 TRANSECT 3 PERIOD 77SPRING

		DAY				NIGHT				TOTAL			
RANK	SPECIES	TOTAL	M	FM	F^E	TOTAL	M	FM	F^E	INDIV	M	FM	F^E
1	SOLENOCERA VIOSCAI					1		1		1		1	
	NO. OF SPECIES									1			
	NO. OF INDIVIDUALS									11	1	10	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	3	1	11	.0000	.6185	.0000

STATION 4 TRANSECT 3 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F∧E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F∧E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F∧E
1	PENAEUS DUORARUM					3		3		3		3	
2	CALLINECTES SIMILIS					1	1			1	1		
3	SICYONIA DORSALIS					1	1			1	1		
4	TRACHYPENAEUS CONSTRICTUS					1		1		1		1	
	NO. OF SPECIES					4				4			
	NO. OF INDIVIDUALS					6	2	4		6	2	4	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	3	4	6	1.7955	.8000	1.0000

STATION 5 TRANSECT 3 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS	1		1		20	3	17		21	3	18	
2	PENAEUS AZTECUS	5	3	2		8	2	6		13	5	8	
3	SQUILLA CHYDAEA					5	4	1		5	4	1	
4	CALLINECTES SIMILIS	1				4	3	1		5	3	1	
5	ASTROPECTEN DUPLICATUS	1								1			
6	SICYONIA DORSALIS					1		1		1		1	
	NO. OF SPECIES	4				5				6			
	NO. OF INDIVIDUALS	8	3	3		38	12	26		46	15	29	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	3	6	46	1.9711	.7024	.8333

STATION 6 TRANSECT 3 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					2		2		2		2	
2	ACANTHOCARPUS ALEXANDRI	1	1							1	1		
	NO. OF SPECIES	1				1				2			
	NO. OF INDIVIDUALS	1	1			2		2		3	1	2	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	3	2	3	.9198	.6667	1.0000

STATION 1 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SQUILLA EMPUSA					40	27	13		40	27	13	
2	SICYONIA DORSALIS					23	12	11		23	12	11	
3	TRACHYPENAEUS SIMILIS					23	3	19		23	3	19	
4	PENAEUS AZTECUS					20	9	11		20	9	11	
5	CALLINECTES SIMILIS					7	2	5		7	2	5	
6	PENAEUS DUORARUM					4	2	2		4	2	2	
7	PORTUNUS SPINIMANUS					3	2	1		3	2	1	
8	SICYONIA BREVIROSTRIS					3		3		3		3	
9	PORTUNUS GIBBESII					2	1	1		2	1	1	
10	OVALIPES FLORIDANUS					1		1		1		1	
11	SQUILLA CHYDAEA					1	1			1	1		
	NO. OF SPECIES					11				11			
	NO. OF INDIVIDUALS					127	59	67		127	59	67	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	4	11	127	2.6895	.8113	.8182

STATION 2 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	AMUSIUM PAPYRACEUS	3				4				7			
2	SOLENOCERA VIOSCAI					7		7		7		7	
3	TRACHYPENAEUS SIMILIS					5	1	4		5	1	4	
4	PARAPENAEUS LONGIROSTRIS					2	1	1		2	1	1	
5	SICYONIA DORSALIS					2		2		2		2	
6	ANASIMUS LATUS	1	1							1	1		
7	PENAEUS AZTECUS					1		1		1		1	
	NO. OF SPECIES	2				6				7			
	NO. OF INDIVIDUALS	4	1			21	2	15		25	3	15	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	4	7	25	2.4514	.8200	1.0000

STATION 3 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F&E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F&E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F&E
1	PENAEUS AZTECUS					9	4	5		9	4	5	
2	PORTUNUS SPINICARPUS					7	4	3		7	4	3	
3	AMUSIUM PAPYRACEUS	2				1				3			
4	SQUILLA CHYDAEA					3	2	1		3	2	1	
5	PARAPENAEUS LONGIROSTRIS					2		2		2		2	
6	PARAPANDALUS CF LONGICAUDA					1	1			1	1		
7	SOLENOCERA VIOSCAI					1		1		1		1	
8	SICYONIA STIMPSONI					1		1		1		1	
9	ACANTHOCARPUS ALEXANDRI					1	1			1	1		
	NO. OF SPECIES	1				9				9			
	NO. OF INDIVIDUALS	2				26	12	13		28	12	13	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	4	9	28	2.6800	.8307	1.0000

STATION 4 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PENAEUS DUORARUM					3	1	2		3	1	2	
2	TRACHYPENAEUS CONSTRICTUS					2		2		2		2	
3	SICYONIA DORSALIS					2	1	1		2	1	1	
4	TRACHYPENAEUS SIMILIS	1	1			1		1		2	1	1	
5	PENAEUS AZTECUS					1	1			1	1		
6	LUIDIA CLATHRATA	1								1			
7	SQUILLA CHYDAEA					1		1		1		1	
	NO. OF SPECIES	2				6				7			
	NO. OF INDIVIDUALS	2	1			10	3	7		12	4	7	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	4	7	12	2.6932	.9091	1.1429

STATION 5 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	TRACHYPENAEUS SIMILIS	1	1			29	18	11		30	19	11	
2	SQUILLA CHYDAEA					14	4	10		14	4	10	
3	PENAEUS AZTECUS					7	2	5		7	2	5	
4	SICYONIA DORSALIS					7	3	4		7	3	4	
5	CALLINECTES SIMILIS					3		3	3	3		3	3
6	SQUILLA EMPUSA					1	1			1	1		
7	ANASIMUS LATUS					1		1		1		1	
8	PORTUNUS SPINIMANUS					1	1			1	1		
9	PORTUNUS SPINICARPUS					1	1			1	1		
	NO. OF SPECIES	1				9				9			
	NO. OF INDIVIDUALS	1	1			64	30	34	3	65	31	34	3

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	4	9	65	2.2635	.7255	.7778

STATION 6 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PENAEUS AZTECUS					4	3	1		4	3	1	
2	AMUSIUM PAPYRACEUS					2				2			
3	PORTUNUS SPINICARPUS	1		1						1		1	
	NO. OF SPECIES	1				2				3			
	NO. OF INDIVIDUALS	1		1		6	3	1		7	3	2	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	4	3	7	1.3811	.6667	1.0000

STATION 7 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	BRISSOPSIS ALTA					11				11			
2	PARAPENAEUS LONGIROSTRIS					8	2	5		8	2	5	
3	PORTUNUS SPINICARPUS					7	4	3		7	4	3	
4	SOLENOCERA VIOSCAI					3	1	2		3	1	2	
5	RANINOIDES LOUISIANENSIS					2	2			2	2		
6	ANASIMUS LATUS					2	1	1		2	1	1	
7	STENOCIONOPS SPINOSISSIMA					1	1			1	1		
8	COLLODES LEPIOCHELES					1	1			1	1		
9	TETHYASTER VESTITUS					1				1			
10	PILUMNUS SP					1		1		1		1	
11	ASTROPECTEN CINGULATUS	1								1			
	NO. OF SPECIES	1				10				11			
	NO. OF INDIVIDUALS	1				37	12	12		38	12	12	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	4	11	38	2.8722	.8450	1.0000

STATION 1 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SQUILLA EMPUSA	11	8	3		29	7	22		40	15	25	
2	TRACHYPENAEUS SIMILIS	21		21		11	2	9		32	2	30	
3	PORTUNUS GIBBESII	18	9	9		9	6	3		27	15	12	
4	CALLINECTES SIMILIS	5	5			19	18	1	1	24	23	1	1
5	PENAEUS SETIFERUS	15	9	6		6	5	1		21	14	7	
6	CALIACTIS TRICOLOR	7				12	12			19	12		
7	PENAEUS AZTECUS	6	2	4		2	1	1		8	3	5	
8	XIPHOPENAEUS KROYERI	5		5						5		5	
9	SICYONIA DORSALIS	2	1	1		3	2	1		5	3	2	
10	CANTHARUS CANCELLARIA					4				4			
11	CALLINECTES SAPIDUS					2		2	2	2		2	2
12	PENAEUS DUORARUM	1		1						1		1	
13	PERSEPHONA CRINITA					1	1			1	1		
	NO. OF SPECIES	10				11				13			
	NO. OF INDIVIDUALS	91	34	50		98	54	40	3	189	88	90	3

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	1	13	189	3.1152	.8683	1.0000

STATION 2 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F&E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F&E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F&E
1	CALLINECTES SIMILIS	15	1	14	2	51	12	39	7	66	13	53	9
2	PENAEUS AZTECUS	8	3	5		39	17	22		47	20	27	
3	SICYONIA DORSALIS					29	15	14		29	15	14	
4	ASTROPECTEN DUPLICATUS					16				16			
5	TRACHYPENAEUS SIMILIS					8	1	7		8	1	7	
6	SQUILLA EMPUSA					5	2	3		5	2	3	
7	PORTUNUS GIBBESII	3	1	2						3	1	2	
8	PENAEUS DUORARUM	2	2							2	2		
9	SQUILLA CHYDAEA					2	1	1		2	1	1	
10	AMUSIUM PAPYRACEUS					1				1			
11	CALLINECTES SAPIDUS	1		1	1					1		1	1
12	PORTUNUS SPINIMANUS					1		1		1		1	
	NO. OF SPECIES	5				9				12			
	NO. OF INDIVIDUALS	29	7	22	3	152	48	87	7	181	55	109	10

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	12	181	2.4805	.7670	.6667

STATION 3 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS SPINICARPUS	2		2		38	22	16	7	40	22	18	7
2	ANASIMUS LATUS	2	1	1	1	6	1	5	5	8	2	6	6
3	SOLENOCERA VIOSCAI					5	1	4		5	1	4	
4	ASTROPECTEN CINGULATUS					1				1			
5	SOLENOCERA ATLANTIDIS					1				1			
6	ACANTHOCARPUS ALEXANDRI	1		1						1		1	
7	PAGURUS BULLISI	1								1			
8	SQUILLA SP					1		1		1		1	
9	BRISSOPSIS ALTA	1								1			
	NO. OF SPECIES	5				6				9			
	NO. OF INDIVIDUALS	7	1	4	1	52	24	26	12	59	25	34	13

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	1	9	59	1.6738	.5219	.4444

STATION 4 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F∧E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F∧E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F∧E
1	PORTUNUS GIBBESII	15	8	7		82	27	55		97	35	62	
2	PENAEUS SETIFERUS	17	6	11		31	18	13		48	24	24	
3	TRACHYPENAEUS SIMILIS	11		10		33	2	31		44	2	41	
4	SQUILLA EMPUSA	7	5	2		9	7	2		16	12	4	
5	SICYONIA DORSALIS	1	1			13	5	8		14	6	8	
6	CALLINECTES SIMILIS	4	3	1		3		3		7	3	4	
7	XIPHOPENAEUS KROYERI					5	1	4		5	1	4	
8	PENAEUS AZTECUS	3	2	1		2		2		5	2	3	
9	PORTUNUS SPINIMANUS					2		2		2		2	
10	CALIACTIS TRICOLOR					2				2			
11	TRACHYPENAEUS CONSTRICTUS	1		1						1		1	
	NO. OF SPECIES	8				10				11			
	NO. OF INDIVIDUALS	59	25	33		182	60	120		241	85	153	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	11	241	2.4703	.7585	.7273

STATION 5 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SICYONIA BREVIROSTRIS					29	11	18		29	11	18	
2	PENAEUS AZTECUS	2	1	1		15	9	6		17	10	7	
3	CALLINECTES SIMILIS	1		1	1	10	3	7		11	3	8	1
4	SOLENOCERA VIOSCAI					10	2	8		10	2	8	
5	AMUSIUM PAPYRACEUS					7	7			7	7		
6	SICYONIA DORSALIS	4	3	1						4	3	1	
7	PORTUNUS SPINICARPUS					2		2		2		2	
8	SQUILLA CHYDAEA					1	1			1	1		
	NO. OF SPECIES	3				7				8			
	NO. OF INDIVIDUALS	7	4	3	1	74	33	41		81	37	44	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	8	81	2.5009	.7932	1.0000

STATION 6 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F&E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F&E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F&E
1	PORTUNUS SPINICARPUS	1	1			20	15	5		21	16	5	
2	AMUSIUM PAPYRACEUS					8				8			
3	SOLENOCERA VIOSCAI					6	1	5		6	1	5	
4	ANASIMUS LATUS					5	2	3	3	5	2	3	3
5	PARAPANDALUS CF LONGICAUDA					3		3	3	3		3	3
6	PENAEUS AZTECUS	2	1	1						2	1	1	
7	PARAPENAEUS LONGIROSTRIS					1		1		1		1	
8	OCTOPUS SP	1								1			
9	SICYONIA BREVIROSTRIS					1		1		1		1	
	NO. OF SPECIES	3				7				9			
	NO. OF INDIVIDUALS	4	2	1		44	18	18	6	48	20	19	6

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	9	48	2.4617	.7633	.8889

STATION 1 TRANSECT 2 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS GIBBESII	43	22	21		29	19	10		72	41	31	
2	CALLINECTES SIMILIS	37	19	18	2	23	11	12		60	30	30	2
3	TRACHYPENAEUS SIMILIS	25	3	22		31	4	27		56	7	49	
4	SICYONIA DORSALIS	36	17	19		16	6	10		52	23	29	
5	SQUILLA EMPUSA	18	11	7		31	12	19		49	23	26	
6	PENAEUS SETIFERUS	14	8	6		25	14	11		39	22	17	
7	PENAEUS AZTECUS	12	4	8		3	2	1		15	6	9	
8	CALIACTIS TRICOLOR	10				1				11			
9	PORTUNUS SPINIMANUS	3	1	2						3	1	2	
10	RENILLA MULLERI					1				1			
11	CALLINECTES SAPIDUS	1		1						1		1	
	NO. OF SPECIES	10				9				11			
	NO. OF INDIVIDUALS	199	85	104	2	160	68	90		359	153	194	2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	2	11	359	2.9134	.8557	1.0000

STATION 2 TRANSECT 2 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SICYONIA DORSALIS	10	4	6		1830	970	840		1840	974	846	
2	CALLINECTES SIMILIS	11	4	7	2	97	26	71	15	108	30	78	17
3	PENAEUS AZTECUS	2	2			21	7	14		23	9	14	
4	ASTROPECTEN DUPLICATUS					23				23			
5	SQUILLA CHYDAEA					17	6	11		17	6	11	
6	TRACHYPENAEUS SIMILIS					13	1	10		13	1	10	
7	SQUILLA EMPUSA					9	8	1		9	8	1	
8	AMOSIUM PAPYRACEUS					2				2			
9	SOLENOCERA VIOSCAI					1	1			1	1		
10	CALLINECTES SAPIDUS					1		1		1		1	
11	CALIACTIS TRICOLOR					1				1			
12	MOLPADIA ADAMANENSIS	1								1			
13	SICYONIA BREVIROSTRIS					1	1			1	1		
	NO. OF SPECIES	4				12				13			
	NO. OF INDIVIDUALS	24	10	13	2	2016	1020	948	15	2040	1030	961	17

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	2	13	2040	.6811	.1834	.1538

STATION 3 TRANSECT 2 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS SPINICARPUS	2	1	1		50	16	34	2	52	17	35	2
2	SOLENOCERA VIOSCAI					4	1	3		4	1	3	
3	ANASIMUS LATUS					2		2	2	2		2	2
4	AMUSIUM PAPYRACEUS	2								2			
5	THALASSOPLAX ANGUSTA					1	1			1	1		
	NO. OF SPECIES	2				4				5			
	NO. OF INDIVIDUALS	4	1	1		57	18	39	4	61	19	40	4

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	2	5	61	.8761	.2710	.4000

STATION 4 TRANSECT 2 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SICYONIA DORSALIS	2	2			112	70	42		114	72	42	
2	CALLINECTES SIMILIS	50	9	41	16	41	15	26	3	91	24	67	19
3	PENAEUS AZTECUS	12	4	8		6		6		18	4	14	
4	TRACHYPENAEUS SIMILIS					16	1	13		16	1	13	
5	SQUILLA CHYDAEA					6	3	3		6	3	3	
6	PORTUNUS GIBBESII					3	1	2		3	1	2	
7	SQUILLA EMPUSA					3	2	1		3	2	1	
8	ASTROPECTEN DUPLICATUS					2				2			
	NO. OF SPECIES	3				8				8			
	NO. OF INDIVIDUALS	64	15	49	16	189	92	93	3	253	107	142	19

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	2	8	253	1.9101	.6602	.6250

STATION 5 TRANSECT 2 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SOLENOCERA VIOSCAI					65	2	60		65	2	60	
2	PORTUNUS SPINICARPUS					21	7	14	1	21	7	14	1
3	AMUSIUM PAPYRACEUS	11				6				17			
4	PENAEUS AZTECUS					13	2	11		13	2	11	
5	CALLINECTES SIMILIS	2		2		10	3	7		12	3	9	
6	SICYONIA DORSALIS					5	3	2		5	3	2	
7	SQUILLA CHYDAEA					5	1	4		5	1	4	
8	LEIOLAMBRUS NITIDUS	1		1		4	2	2		5	2	3	
9	ANADARA BAUGHMANI	2				2				4			
10	ANASIMUS LATUS					3	2	1	1	3	2	1	1
11	PSEUDORHOMBILA QUADRIDENTATA	1		1						1		1	
12	TRACHYPENAEUS SIMILIS					1		1		1		1	
13	SQUILLA EMPUSA					1		1		1		1	
14	SICYONIA STIMPSONI					1		1		1		1	
	NO. OF SPECIES	5				13				14			
	NO. OF INDIVIDUALS	17		4		137	22	104	2	154	22	108	2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	2	14	154	2.7786	.7785	.7143

STATION 6 TRANSECT 2 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	AMUSIUM PAPYRACEUS	19				39				58			
2	SOLENOCERA VIOSCAI					13	3	10		13	3	10	
3	PENAEUS AZTECUS	1		1		11	6	5		12	6	6	
4	PORTUNUS SPINICARPUS					12	9	3	1	12	9	3	1
5	SQUILLA CHYDAEA					4	2	2		4	2	2	
6	ANADARA BAUGHMANI					2				2			
7	PITAR CORDATUS					1				1			
8	CALAPPA SULCATA					1		1		1		1	
	NO. OF SPECIES	2				8				8			
	NO. OF INDIVIDUALS	20		1		83	20	21	1	103	20	22	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	2	8	103	1.9917	.6440	.6250

STATION 1 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PENAEUS AZTECUS	5	3	2		35	18	17		40	21	19	
2	CALLINECTES SIMILIS	1		1		20	4	16	6	21	4	17	6
3	TRACHYPENAEUS SIMILIS					15	4	11		15	4	11	
4	ASTROPECTEN DUPLICATUS	5				4				9			
5	SICYONIA DORSALIS					5	1	4		5	1	4	
6	PORTUNUS GIBBESII					2	2			2	2		
7	SQUILLA EMPUSA					2	1	1		2	1	1	
8	RENILLA MULLERI					1				1			
9	SICYONIA BREVIROSTRIS					1		1		1		1	
	NO. OF SPECIES	3				9				9			
	NO. OF INDIVIDUALS	11	3	3		85	30	50	6	96	33	53	6

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	3	9	96	2.3403	.7493	.7778

STATION 2 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SICYONIA DORSALIS	8	4	4		82	22	60		90	26	64	
2	SOLENOCERA VIOSCAI					45	2	43		45	2	43	
3	PENAEUS AZTECUS	3	1	2		13	3	10		16	4	12	
4	CALLINECTES SIMILIS	3	2	1		4	2	2		7	4	3	
5	TRACHYPENAEUS SIMILIS					6		6		6		6	
6	ASTROPECTEN DUPLICATUS					2				2			
7	PORTUNUS SPINICARPUS	1		1		1	1			2	1	1	
8	AMUSIUM PAPYRACEUS					2				2			
9	PORTUNUS SPINIMANUS					1	1			1	1		
10	LEIOLAMBRUS NITIDUS					1		1		1		1	
11	PACHYGRAPSUS TRANSVERSUS	1	1							1	1		
12	SICYONIA BREVIROSTRIS					1		1		1		1	
	NO. OF SPECIES	5				11				12			
	NO. OF INDIVIDUALS	16	8	8		158	31	123		174	39	131	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	3	12	174	2.0638	.6576	.5000

STATION 3 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS SPINICARPUS	2	1	1		17	7	10		19	8	11	
2	SOLENOCERA VIOSCAI					4				4			
3	RANINOIDES LOUISIANENSIS					2	1	1	1	2	1	1	1
4	BRISSOPSIS ALTA	1								1			
5	ANADARA BAUGHMANI					1				1			
6	ETHUSA MICROPHTHALMA	1	1							1	1		
	NO. OF SPECIES	3				4				6			
	NO. OF INDIVIDUALS	4	2	1		24	8	11	1	28	10	12	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	3	6	28	1.5703	.5291	.6667

STATION 4 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PENAEUS DUORARUM					6	2	4		6	2	4	
2	PORTUNUS GIBBESII					4	1	3	1	4	1	3	1
3	PENAEUS AZTECUS					1		1		1		1	
4	CALLINECTES SIMILIS					1		1		1		1	
5	LUIDIA CLATHRATA	1								1			
6	TRACHYPENAEUS CONSTRICTUS					1		1		1		1	
	NO. OF SPECIES	1				5				6			
	NO. OF INDIVIDUALS	1				13	3	10	1	14	3	10	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	3	6	14	2.1316	.7692	1.0000

STATION 5 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PENAEUS AZTECUS	2	2			46	24	22		48	26	22	
2	TRACHYPENAEUS SIMILIS					9		9		9		9	
3	SICYONIA DORSALIS					4	3	1		4	3	1	
4	ASTROPECTEN DUPLICATUS					3				3			
5	PENAEUS DUORARUM					1		1		1		1	
	NO. OF SPECIES	1				5				5			
	NO. OF INDIVIDUALS	2	2			63	27	33		65	29	33	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	3	5	65	1.2650	.4361	.6000

STATION 6 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS SPINICARPUS	18	6	12		73	17	56	3	91	23	68	3
2	SOLENOCERA VIOSCAI					6		6		6		6	
3	RANINOIDES LOUISIANENSIS					1	1			1	1		
4	PORCELLANA SIGSBEIANA	1	1							1	1		
5	ACANTHOCARPUS ALEXANDRI	1	1							1	1		
6	ANASIMUS LATUS	1	1							1	1		
7	ASTROPECTEN CINGULATUS					1				1			
	NO. OF SPECIES	4				4				7			
	NO. OF INDIVIDUALS	21	9	12		81	18	62	3	102	27	74	3

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	3	7	102	.7156	.2021	.2857

STATION 1 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PENAEUS AZTECUS					32	16	16		32	16	16	
2	PENAEUS DUORARUM					12	8	4		12	8	4	
3	ASTROPECTEN DUPLICATUS	1				2				3			
4	TRACHYPENAEUS SIMILIS					2		2		2		2	
5	SICYONIA DORSALIS					2	1	1		2	1	1	
6	CALLINECTES SIMILIS					1		1		1		1	
7	PORTUNUS GIBBESII					1	1			1	1		
8	SQUILLA EMPUSA					1		1		1		1	
9	SICYONIA BREVIROSTRIS					1	1			1	1		
	NO. OF SPECIES	1				9				9			
	NO. OF INDIVIDUALS	1				54	27	25		55	27	25	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	4	9	55	1.9341	.6182	.5556

STATION 2 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	SICYONIA DORSALIS	123	57	66		17	9	8		140	66	74	
2	PENAEUS AZTECUS	2	2			62	42	20		64	44	20	
3	TRACHYPENAEUS SIMILIS					29	1	28		29	1	28	
4	CALLINECTES SIMILIS	4	2	2						4	2	2	
5	MULPADIA ADAMANENSIS	1								1			
6	LAEVICARDIUM LAEVIGATUM	1								1			
7	SICYONIA BREVIROSTRIS	1		1						1		1	
8	AMUSIUM PAPYRACEUS					1				1			
9	TETHYASTER VESTITUS					1				1			
10	RANINOIDES LOUISIANENSIS	1	1							1	1		
	NO. OF SPECIES	7				5				10			
	NO. OF INDIVIDUALS	133	62	69		110	52	56		243	114	125	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	4	10	243	1.6272	.5865	.4000

STATION 3 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS SPINICARPUS	12	10	2		14	4	9	4	26	14	11	4
2	SOLENOCERA VIOSCAI					21	3	18		21	3	18	
3	SQUILLA CHYDAEA	1		1		15	3	12		16	3	13	
4	AMUSIUM PAPYRACEUS	13				2				15			
5	SICYONIA BREVIROSTRIS	2	1	1		8	3	5		10	4	6	
6	PENAEUS AZTECUS					9	7	2		9	7	2	
7	ASTROPECTEN SP	1								1			
8	POLYSTIRA ALBIDA	1								1			
9	PARAPENAEUS LONGIROSTRIS					1		1		1		1	
10	TETHYASTER VESTITUS					1				1			
	NO. OF SPECIES	6				8				10			
	NO. OF INDIVIDUALS	30	11	4		71	20	47	4	101	31	51	4

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	4	10	101	2.7142	.8335	1.0000

STATION 4 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS GIBBESII					2	1	1		2	1	1	
2	PENAEUS DUORARUM					1	1			1	1		
	NO. OF SPECIES					2				2			
	NO. OF INDIVIDUALS					3	2	1		3	2	1	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	4	2	3	.9198	.6667	1.0000

STATION 5 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F&E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F&E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F&E
1	PENAEUS AZTECUS	12	8	4		30	16	13		42	24	17	
2	TRACHYPENAEUS SIMILIS					26	7	19		26	7	19	
3	CALLINECTES SIMILIS	3		3		17	3	14	5	20	3	17	5
4	SICYONIA DORSALIS	2	2			11	5	6		13	7	6	
5	ASTROPECTEN DUPLICATUS	2				7				9			
6	SQUILLA EMPUSA					1		1		1		1	
7	PORTUNUS GIBBESII	1		1						1		1	
8	PENAEUS SETIFERUS	1		1						1		1	
9	PENAEUS DUORARUM					1		1		1		1	
	NO. OF SPECIES	6				7				9			
	NO. OF INDIVIDUALS	21	10	9		93	31	54	5	114	41	63	5

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	4	9	114	2.3476	.7687	.7778

STATION 6 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PENAEUS AZTECUS	8	6	2		83	14	69		91	20	71	
2	CALLINECTES SIMILIS	2		2		10	1	9		12	1	11	
3	AMUSIUM PAPYRACEUS	5				4				9			
4	SICYONIA BREVIROSTRIS					7	5	2		7	5	2	
5	SOLENOCERA VIOSCAI					3	1	2		3	1	2	
6	POLYSTIRA ALBIDA	1				1				2			
7	TETHYASTER VESTITUS					2				2			
8	SICYONIA DORSALIS	1		1						1		1	
9	PORTUNUS SPINIMANUS					1		1		1		1	
10	FUSINUS COUEI					1				1			
11	SQUILLA CHYDAEA					1	1			1	1		
12	PARAPENAEUS LONGIROSTRIS					1	1			1	1		
	NO. OF SPECIES	5				11				12			
	NO. OF INDIVIDUALS	17	6	5		114	23	83		131	29	88	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	4	12	131	1.7526	.5041	.4167

STATION 7 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY TOTAL	DAY M	DAY FM	DAY F^E	NIGHT TOTAL	NIGHT M	NIGHT FM	NIGHT F^E	TOTAL INDIV	TOTAL M	TOTAL FM	TOTAL F^E
1	PORTUNUS SPINICARPUS	26	7	19	1	404	125	279	41	430	132	298	42
2	ANASIMUS LATUS	12	1	11	10	61	11	50	46	73	12	61	56
3	AMUSIUM PAPYRACEUS	4				8				12			
4	SOLENOCERA VIOSCAI	1		1		10		10		11		11	
5	SQUILLA CHYDAEA					7	3	4		7	3	4	
6	ANADARA BAUGHMANI					7				7			
7	EUPHROSYNOPLAX CLAUSI					3	3			3	3		
8	PSEUDORHOMBILA QUADRIDENTATA					3	3			3	3		
9	ASTROPECTEN CINGULATUS					3				3			
10	POLYSTIRA ALBIDA	1				2				3			
11	ACANTHOCARPUS ALEXANDRI					2	2			2	2		
12	SICYONIA BREVIROSTRIS					2		2		2		2	
13	AIRINA SEMINUDA	2								2			
14	PITAR CORDATUS					1				1			
15	PODOCHELA SIDNEYI					1		1	1	1		1	1
16	CALAPPA SULCATA					1	1			1	1		
17	MYROPSIS QUINQUESPINOSA					1		1		1		1	
18	BRISSOPSIS ALTA	1								1			
19	RANINOIDES LOUISIANENSIS	1	1							1	1		
	NO. OF SPECIES	8				16				19			
	NO. OF INDIVIDUALS	48	9	31	11	516	148	347	88	564	157	378	99

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	4	19	564	1.4132	.4014	.1579

APPENDIX Q

DEMERSAL FISHES

List of Tables

Table		Page
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TABLE 1

LIST OF SPECIES CAUGHT IN 1977, ARRANGED IN SYSTEMATIC ORDER. NUMBER OF OCCURRENCES, TOTAL NUMBER OF INDIVIDUALS CAUGHT, AND TOTAL WEIGHT OF EACH SPECIES ARE GIVEN. NUMBER OF OCCURRENCES REPRESENTS THE NUMBER OF SAMPLING EPISODES IN WHICH THE SPECIES WAS CAUGHT. REPLICATE TRAWLS WERE COUNTED AS A SINGLE SAMPLING EPISODE.

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Squaliformes			
Carcharhinidae			
Mustelus canis	1	1	3450.0
Rajiformes			
Rajidae			
Raja texana	2	2	864.9
Dasyatidae			
Dasyatis sayi	2	2	4530.0
Dasyatis americana	2	1	107.5
Myliobatidae			
Rhinoptera bonasus	1	1	664.6
Torpedinidae			
Narcine brasiliensis	1	1	101.0
Anguilliformes			
Muraenidae			
Gymnothorax nigromarginatus	1	1	93.0
Muraensesocidae			
Hoplunnis macrurus	14	26	365.2
Hoplunnis tenuis	6	20	198.1
Congridae			
Congrina flava	4	4	197.2
Uroconger syringus	1	1	86.0
Ophichthidae			
Myrophis punctatus	7	10	515.0
Clupeiformes			
Clupeidae			
Brevoortia gunteri	1	1	30.6
Brevoortia patronus	6	187	6729.8
Etrumeus teres	6	157	1562.9
Harengula pensacolae	18	377	8028.3
Opisthonema oglinum	2	2	121.5
Sardinella anchovia	1	1	63.6

TABLE 1 CONT.'D

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Engraulidae			
Anchoa hepsetus	18	142	2084.2
Anchoa mitchilli	3	15	25.5
Anchoa nasuta	2	2	4.7
Myctophiformes			
Synodontidae			
Saurida brasiliensis	42	196	1526.3
Synodus foetens	87	325	32133.0
Synodus poeyi	37	166	1325.8
Siluriformes			
Ariidae			
Arius felis	11	33	4224.9
Bagre marinus	3	8	291.4
Batrachoidiformes			
Batrachoidae			
Opsanus pardus	1	1	554.2
Porichthys porosissimus	56	201	2252.4
Lophiiformes			
Antennariidae			
Antennarius radiosus	15	43	343.1
Ogcocephalidae			
Halieutichthys aculeatus	35	118	699.0
Ogcocephalus spp.	32	76	2875.7
Gadiformes			
Bregmacerotidae			
Bregmaceros atlanticus	4	8	8.0
Gadidae			
Physiculus fulvus	6	7	43.1
Steindachneria argentea	1	7	144.1
Urophycis cirratus	36	144	3115.3
Urophycis floridanus	23	55	3481.1
Ophidiidae			
Brotula barbata	6	7	1707.1
Lepophidium graellsi	38	117	2892.5
Neobythites gilli	4	5	32.4
Ophidion welshi	1	1	32.0
Gunterichthys longipenis	1	2	64.7
Zeiformes			
Zeidae			
Zenopsis ocellata	4	4	336.8

TABLE 1 CONT.'D

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Perciformes			
Serranidae			
Centropristis philadelphica	80	456	21395.8
Diplectrum bivittatum	39	524	6810.3
Epinephelus nigritus	2	2	19.8
Hemanthias leptus	4	7	214.4
Hemanthias vivanus	5	9	234.3
Pikea mexicana	2	4	51.4
Serraniculus pumilio	1	1	2.7
Serranus atrobranchus	101	2878	48115.9
Grammistidae			
Rypticus saponaceus	1	1	48.2
Priacanthidae			
Priacanthus arenatus	21	41	4363.7
Branchiostegidae			
Caulolatilus intermedius	37	119	7574.1
Carangidae			
Chloroscombrus chrysurus	20	642	10914.1
Selar crumenophthalmus	2	17	530.4
Selene vomer	1	1	45.0
Trachinotus carolinus	1	4	704.9
Trachurus lathami	83	4380	56062.0
Urapsis secunda	1	1	4320.0
Vomer setapinnis	11	33	2315.2
Lutjanidae			
Lutjanus campechanus	50	352	20774.3
Pristipomoides aquilonaris	96	1446	107220.6
Rhomboplites aurorubens	1	1	4.0
Gerreidae			
Eucinostomus gula	4	6	84.5
Pomadasyidae			
Orthopristis chrysoptera	5	69	1388.7
Sparidae			
Calamus leucosteus	1	1	474.2
Lagodon rhomboides	14	53	2709.5
Stenotomus caprinus	83	1648	66230.2
Sciaenidae			
Cynoscion arenarius	46	365	19542.2
Cynoscion nothus	40	1248	18023.4
Equetes acuminatus	18	37	1924.0
Larimus fasciatus	6	10	184.5
Leiostomus xanthurus	17	52	3094.8
Menticirrhus americanus	13	21	1661.5
Menticirrhus focalinger	2	2	365.3
Micropogon undulatus	67	2856	77075.0
Stellifer lanceolatus	14	19	364.4
Umbrina coroides	1	2	43.9

TABLE 1 CONT.'D

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Mullidae			
Mullus auratus	2	9	417.7
Upeneus parvus	61	388	8964.4
Ephippidae			
Chaetodipterus faber	9	37	823.6
Labridae			
Decodon puellaris	7	9	688.9
Sphyraenidae			
Sphyraena guachancho	1	1	40.0
Polynemidae			
Polydactylus octonemus	28	636	19790.9
Opistognathidae			
Lenchopisthus lindneri	1	1	11.1
Percophididae			
Bembrops anatirostris	10	15	693.4
Uranoscopidae			
Kathetostoma albigutta	17	50	2121.7
Callionymidae			
Callionymus agassizi	2	5	23.3
Gobiidae			
Bollmannia communis	28	123	636.4
Gobionellus hastatus	1	1	30.7
Trichiuridae			
Trichiurus lepturus	28	115	3745.4
Scombridae			
Scomber japonicus	8	54	728.2
Scomberomorus cavalla	1	2	99.0
Scomberomorus maculatus	1	1	238.7
Stromateidae			
Peprilus alepidotus	7	10	136.2
Peprilus burti	64	5574	61679.6
Psenes pellucidus	1	8	178.2
Scorpaenidae			
Neomerinthe hemingwayi	3	4	2792.4
Pontinus longispinis	25	215	8179.1
Scorpaena brasiliensis	2	2	609.6
Scorpaena calcarata	7	9	57.1
Scorpaena dispar	4	4	72.7
Triglidae			
Bellator militaris	2	3	33.8
Peristedion gracile	1	1	2.6
Prionotus ophryas	2	3	10.1
Prionotus paralatus	70	1615	26957.5
Prionotus rubio	51	185	5672.2
Prionotus roseus	3	10	381.4
Prionotus stearnsi	53	401	3873.1
Prionotus tribulus	3	8	69.9

TABLE 1 CONT.'D

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Pleuronectiformes			
Bothidae			
Ancylopsetta dilecta	33	93	2612.1
Ancylopsetta quadrocellata	10	12	674.3
Citharichthys spilopterus	11	41	429.0
Cyclopsetta chittendeni	33	80	6564.7
Engyophrys senta	20	44	244.8
Etropus crossotus	25	41	533.6
Paralichthys albigutta	1	1	28.0
Paralichthys lethostigma	1	1	399.2
Syacium gunteri	77	1099	15522.5
Trichopsetta ventralis	55	449	8453.0
Soleidae			
Gymnachirus texae	23	58	741.6
Archirus lineatus	1	1	5.1
Cynoglossidae			
Symphurus civitatus	1	3	74.4
Symphurus diomedianus	1	1	17.9
Symphurus plaguisa	5	6	135.3
Tetraodontiformes			
Balistidae			
Balistes capriscus	2	2	47.3
Monacanthus hispidus	1	1	3.4
Tetradontidae			
Lagocephalus laevigatus	23	41	1008.5
Sphoeroides dorsalis	1	1	51.8
Sphoeroides parvus	41	295	1364.4
Sphoeroides spengleri	3	4	111.5
Diodontidae			
Chilomycterus schoepfi	1	1	4.1

TABLE 2

OCCURRENCES OF SPECIES AMONG THE TEN MOST ABUNDANT SPECIES.
AN ASTERISK IN A CELL INDICATES THAT THE SPECIES
WAS AMONG THE TEN MOST ABUNDANT SPECIES
(AND OCCURRED WITH ABUNDANCE ≥ 10 INDIVIDUALS)
IN THE STATION GROUP AND SEASON REPRESENTED BY THAT CELL.

Anchoa hepsetus

Day	Winter	Spring	Fall
Station group 1		*	*
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Anchoa mitchilli

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1	*		
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Bollmannia communis

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	**Winter**	**Spring**	**Fall**
Station group 1			
Station group 2		*	
Station group 3			

Brevoortia patronus

Day	Winter	Spring	Fall
Station group 1		*	
Station group 2			
Station group 3			
Night	**Winter**	**Spring**	**Fall**
Station group 1			
Station group 2			
Station group 3			

Caulolatilus intermedius

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			*
Night	**Winter**	**Spring**	**Fall**
Station group 1			
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Centropristis philadelphica

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3			

Chaetodipterus faber

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			

Chloroscombrus chrysurus

Day	Winter	Spring	Fall
Station group 1		*	
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1		*	
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Citharichthys spilopterus

Day	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			
Night	**Winter**	**Spring**	**Fall**
Station group 1			
Station group 2			
Station group 3			

Cynoscion arenarius

Day	Winter	Spring	Fall
Station group 1	*		
Station group 2			*
Station group 3			
Night	**Winter**	**Spring**	**Fall**
Station group 1	*	*	
Station group 2			
Station group 3			

Cynoscion nothus

Day	Winter	Spring	Fall
Station group 1		*	*
Station group 2			
Station group 3			
Night	**Winter**	**Spring**	**Fall**
Station group 1	*	*	*
Station group 2			*
Station group 3			

TABLE 2 CONT.'D

Diplectrum bivittatum

Day	Winter	Spring	Fall
Station group 1			*
Station group 2		*	*
Station group 3			

Night	Winter	Spring	Fall
Station group 1			*
Station group 2	*		*
Station group 3			

Etrumeus teres

Day	Winter	Spring	Fall
Station group 1		*	
Station group 2		*	
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Halieutichthys aculeatus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			*

TABLE 2 CONT.'D

Harengula pensacolae

Day	Winter	Spring	Fall
Station group 1		*	
Station group 2			*
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Hoplunnis tenuis

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3		*	

Kathetostoma albigutta

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			

TABLE 2 CONT.'D

Lutjanus campechanus

Day	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			

Micropogon undulatus

Day	Winter	Spring	Fall
Station group 1	*	*	*
Station group 2			*
Station group 3			

Night	Winter	Spring	Fall
Station group 1		*	*
Station group 2			*
Station group 3			

Orthopristis chrysoptera

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Peprilus burti

Day	Winter	Spring	Fall
Station group 1	*	*	*
Station group 2		*	*
Station group 3			

Night	Winter	Spring	Fall
Station group 1	*	*	
Station group 2			
Station group 3			

Polydactylus octonemus

Day	Winter	Spring	Fall
Station group 1		*	*
Station group 2			*
Station group 3			

Night	Winter	Spring	Fall
Station group 1		*	*
Station group 2			
Station group 3			

Pontinus longispinis

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			*

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3	*	*	*

TABLE 2 CONT.'D

Porichthys porosissimus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			

Prionotus paralatus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3	*	*	*

Night	Winter	Spring	Fall
Station group 1			
Station group 2		*	*
Station group 3	*	*	*

Prionotus rubio

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3	*		

TABLE 2 CONT.'D

Prionotus stearnsi

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			*

Night	Winter	Spring	Fall
Station group 1			
Station group 2		*	*
Station group 3			

Pristipomoides aquilonaris

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	
Station group 3	*	*	*

Night	Winter	Spring	Fall
Station group 1			
Station group 2		*	*
Station group 3	*	*	*

Saurida brasiliensis

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Selar crumenophthalmus

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Scomber japonicus

Day	Winter	Spring	Fall
Station group 1			
Station group 2		*	
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Serranus atrobranchus

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3	*	*	*

Night	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3	*	*	*

TABLE 2 CONT.'D

Sphoeroides parvus

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			

Night	Winter	Spring	Fall
Station group 1		*	*
Station group 2	*		
Station group 3			

Stenotomus caprinus

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3	*	*	*

Night	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3	*	*	*

Syacium gunteri

Day	Winter	Spring	Fall
Station group 1	*		*
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1	*	*	*
Station group 2	*	*	*
Station group 3	*		

TABLE 2 CONT.'D

Synodus foetens

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3		*	

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Synodus poeyi

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	
Station group 3			

Trachurus lathami

Day	Winter	Spring	Fall
Station group 1		*	*
Station group 2	*	*	*
Station group 3		*	*

Night	Winter	Spring	Fall
Station group 1		*	
Station group 2			
Station group 3		*	*

TABLE 2 CONT.'D

Trichiurus lepturus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	**Winter**	**Spring**	**Fall**
Station group 1	*		
Station group 2			
Station group 3			

Trichopsetta ventralis

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			*
Night	**Winter**	**Spring**	**Fall**
Station group 1			
Station group 2	*		
Station group 3	*	*	*

Upeneus parvus

Day	Winter	Spring	Fall
Station group 1			
Station group 2		*	
Station group 3	*	*	*
Night	**Winter**	**Spring**	**Fall**
Station group 1		*	
Station group 2		*	
Station group 3	*	*	*

TABLE 2 CONT.'D

Urophycis cirratus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3		*	*

TABLE 3

CATCH DATA FOR THE PREDOMINANT SPECIES ENCOUNTERED DURING 1977.
ENTRIES ARE AVERAGE NUMBER OF INDIVIDUALS CAUGHT PER TRAWL.

Anchoa hepsetus

	Winter	Spring	Fall	
Day				
Station Group 1	0.6	11.4	3.5	15.5
Station Group 2	0.0	0.1	0.5	0.6
Station Group 3	0.0	0.0	0.0	0.0
	0.6	11.5	4.0	16.1
Night				
Station Group 1	0.0	0.0	0.4	0.4
Station Group 2	0.0	0.0	0.1	0.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	0.5	0.5

Anchoa mitchilli

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.3	0.0	0.3
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.3	0.0	0.3
Night				
Station Group 1	1.0	0.0	0.0	1.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	1.0	0.0	0.0	1.0

Bollmannia communis

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.4	0.4
Station Group 2	0.1	0.0	0.3	0.4
Station Group 3	0.0	0.0	0.0	0.0
	0.1	0.0	0.7	0.8
Night				
Station Group 1	0.1	0.0	0.0	0.1
Station Group 2	0.3	1.7	1.1	3.1
Station Group 3	0.0	0.0	0.0	0.0
	0.4	1.7	1.1	3.2

TABLE 3 CONT.'D

Brevoortia patronus

	Winter	Spring	Fall	
Day				
Station Group 1	0.4	10.1	0.0	10.5
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.4	10.1	0.0	10.5
Night				
Station Group 1	0.1	0.0	0.0	0.1
Station Group 2	0.1	0.0	0.1	0.2
Station Group 3	0.0	0.0	0.0	0.0
	0.2	0.0	0.1	0.3

Caulolatilus intermedius

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.2	1.1	1.3
Station Group 3	0.3	0.8	3.3	4.4
	0.3	1.0	4.4	5.7
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.3	1.3	1.6
Station Group 3	0.2	0.4	1.1	1.7
	0.2	0.7	2.4	3.3

Centropristis philadelphica

	Winter	Spring	Fall	
Day				
Station Group 1	0.1	0.0	0.4	0.5
Station Group 2	1.1	0.2	10.3	11.6
Station Group 3	0.5	0.1	0.4	1.0
	1.7	0.3	11.1	13.1
Night				
Station Group 1	0.1	0.8	2.3	3.2
Station Group 2	0.8	3.4	7.8	12.0
Station Group 3	0.3	0.9	1.4	2.6
	1.2	5.1	11.5	17.8

TABLE 3 CONT.'D

Chaetodipterus faber

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	1.0	1.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	1.0	1.0
Night				
Station Group 1	0.1	0.0	2.9	3.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.1	0.0	2.9	3.0

Chloroscombrus chrysurus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	75.2	1.6	76.8
Station Group 2	0.0	0.1	0.8	0.9
Station Group 3	0.0	0.0	0.0	0.0
	0.0	75.3	2.4	77.7
Night				
Station Group 1	0.0	1.4	0.1	1.5
Station Group 2	0.0	0.0	0.1	0.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	1.4	0.2	1.6

Citharichthys spilopterus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	2.6	2.6
Station Group 2	0.0	0.0	0.1	0.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	2.7	2.7
Night				
Station Group 1	0.0	0.0	1.0	1.0
Station Group 2	0.0	0.0	0.4	0.4
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	1.4	1.4

TABLE 3 CONT.'D

Cynoscion arenarius

	Winter	Spring	Fall	
Day				
Station Group 1	1.9	0.0	1.4	3.3
Station Group 2	0.1	0.0	7.8	7.9
Station Group 3	0.0	0.1	0.0	0.1
	2.0	0.1	9.2	11.3
Night				
Station Group 1	2.6	7.1	1.3	11.0
Station Group 2	0.3	0.1	1.8	2.2
Station Group 3	0.1	0.0	0.7	0.8
	3.0	7.2	3.8	14.0

Cynoscion nothus

	Winter	Spring	Fall	
Day				
Station Group 1	0.6	57.7	17.3	75.6
Station Group 2	0.1	0.0	0.1	0.2
Station Group 3	0.0	0.0	0.0	0.0
	0.7	57.7	17.4	75.8
Night				
Station Group 1	2.0	12.8	7.9	22.7
Station Group 2	0.0	0.1	5.6	5.7
Station Group 3	0.0	0.0	0.0	0.0
	2.0	12.9	13.5	28.4

Diplectrum bivittatum

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.9	3.5	4.4
Station Group 2	0.5	1.2	4.3	6.0
Station Group 3	0.0	0.0	0.1	0.1
	0.5	2.1	7.9	10.5
Night				
Station Group 1	0.0	0.2	5.7	5.9
Station Group 2	1.1	0.5	10.8	12.4
Station Group 3	0.0	0.0	0.0	0.0
	1.1	0.7	16.5	18.3

TABLE 3 CONT.'D

Etrumeusteres

Day	Winter	Spring	Fall	
Station Group 1	0.0	6.6	0.1	6.7
Station Group 2	0.0	6.4	1.5	7.9
Station Group 3	0.0	0.0	0.0	0.0
	0.0	13.0	1.6	14.6
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.1	0.0	0.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.1	0.0	0.1

Halieutichthys aculeatus

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	2.1	2.1
Station Group 2	0.2	0.1	0.1	0.4
Station Group 3	0.0	0.0	0.4	0.4
	0.2	0.1	2.6	2.9
Night				
Station Group 1	0.2	0.0	1.2	1.4
Station Group 2	0.0	0.1	0.0	0.1
Station Group 3	0.7	0.3	3.2	4.2
	0.9	0.4	4.4	5.7

Harengula pensacolae

Day	Winter	Spring	Fall	
Station Group 1	0.0	11.0	1.9	12.9
Station Group 2	0.0	0.1	20.7	20.8
Station Group 3	0.0	0.0	0.0	0.0
	0.0	11.1	22.6	33.7
Night				
Station Group 1	0.0	0.1	0.1	0.2
Station Group 2	0.0	0.1	0.1	0.2
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.2	0.2	0.4

TABLE 3 CONT.'D

Hoplunnis tenuis

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.1	0.0	0.1
	0.0	0.1	0.0	0.1
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.1	0.0	0.1
Station Group 3	0.0	1.3	0.0	1.3
	0.0	1.4	0.0	1.4

Kathetostoma albigutta

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.5	0.0	0.1	0.6
	0.5	0.0	0.1	0.6
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.8	0.3	0.3	1.4
Station Group 3	0.4	0.1	0.2	0.7
	1.2	0.4	0.5	2.1

Lutjanus campechanus

Day	Winter	Spring	Fall	
Station Group 1	0.0	1.4	9.6	11.0
Station Group 2	0.0	0.5	3.4	3.9
Station Group 3	0.0	0.0	0.0	0.0
	0.0	1.9	13.0	14.9
Night				
Station Group 1	0.0	1.0	15.3	16.3
Station Group 2	0.2	0.4	1.3	1.9
Station Group 3	0.3	0.0	0.3	0.6
	0.5	1.4	16.9	18.8

TABLE 3 CONT.'D

Micropogon undulatus

	Winter	Spring	Fall	
Day				
Station Group 1	1.2	93.7	113.3	208.2
Station Group 2	0.0	0.0	6.0	6.0
Station Group 3	0.0	0.0	0.0	0.0
	1.2	93.7	119.3	214.2
Night				
Station Group 1	1.0	11.8	80.4	93.2
Station Group 2	0.1	0.0	7.6	7.7
Station Group 3	0.1	0,0	0.4	0.5
	1.2	11.8	88.4	101.4

Orthopristis chrysoptera

	Winter	Spring	Fall	
Day				
Station Group 1	0.1	0.0	0.0	0.1
Station Group 2	0.0	0.0	0.1	0.1
Station Group 3	0.0	0.0	0.0	0.0
	0.1	0.0	0.1	0.2
Night				
Station Group 1	0.0	0.0	7.4	7.4
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	7.4	7.4

Peprilus burti

	Winter	Spring	Fall	
Day				
Station Group 1	1.8	536.1	5.8	543.7
Station Group 2	0.3	65.0	9.2	74.5
Station Group 3	0.0	0.0	0.3	0.3
	2.1	601.1	15.3	618.5
Night				
Station Group 1	1.1	5.6	1.8	8.5
Station Group 2	0.4	0.6	0.3	1.3
Station Group 3	0.8	0.1	0.1	1.0
	2.3	6.3	2.2	10.8

TABLE 3 CONT.'D

Polydactylus octonemus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	5.8	10.6	16.4
Station Group 2	0.0	0.0	4.4	4.4
Station Group 3	0.0	0.0	0.0	0.0
	0.0	5.8	15.0	20.8
Night				
Station Group 1	0.0	13.4	10.7	24.1
Station Group 2	0.0	0.0	3.1	3.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	13.4	13.8	27.2

Pontinnus longispinus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.4	0.5	3.6	4.5
	0.4	0.5	3.6	4.5
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.4	0.0	0.4
Station Group 3	1.6	4.1	3.4	9.1
	1.6	4.5	3.4	9.5

Porichthys porosissimus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	1.1	1.1
Station Group 2	0.0	0.0	1.0	1.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	2.1	2.1
Night				
Station Group 1	0.0	1.6	1.8	3.4
Station Group 2	1.3	1.3	1.1	3.7
Station Group 3	0.6	0.7	0.9	2.2
	1.9	3.6	3.8	9.3

TABLE 3 CONT.'D

Prionotus paralatus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.4	0.4
Station Group 2	0.0	0.1	3.5	3.6
Station Group 3	1.3	1.5	11.0	13.8
	1.3	1.6	14.9	17.8
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.1	8.3	11.3	19.7
Station Group 3	3.1	3.3	41.0	47.4
	3.2	11.6	52.3	67.1

Prionotus rubio

	Winter	Spring	Fall	
Day				
Station Group 1	0.3	0.0	1.8	2.1
Station Group 2	0.3	0.0	0.5	0.8
Station Group 3	0.5	0.0	0.4	0.9
	1.1	0.0	2.7	3.8
Night				
Station Group 1	0.0	0.8	2.6	3.4
Station Group 2	0.4	1.3	2.3	4.0
Station Group 3	1.3	0.4	0.3	2.0
	1.7	2.5	5.2	9.4

Prionotus stearnsi

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	3.5	1.1	2.6	7.2
Station Group 3	1.1	0.1	1.6	2.8
	4.6	1.2	4.2	10.0
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.3	5.5	6.2	12.0
Station Group 3	0.0	0.2	1.0	1.2
	0.3	5.7	7.2	13.2

TABLE 3 CONT.'D

Pristipomoides aquilonaris

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.4	0.0	0.4
Station Group 2	4.2	3.6	2.9	10.7
Station Group 3	8.2	16.7	14.5	39.4
	12.4	20.7	17.4	50.5
Night				
Station Group 1	0.0	0.4	0.0	0.4
Station Group 2	0.5	2.8	4.5	7.8
Station Group 3	6.2	17.1	9.5	32.8
	6.7	20.3	14.0	41.0

Saurida brasiliensis

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	2.3	1.9	1.2	5.4
Station Group 3	0.4	0.0	0.1	0.5
	2.7	1.9	1.3	5.9
Night				
Station Group 1	0.2	0.1	0.1	0.4
Station Group 2	0.3	2.6	2.6	5.5
Station Group 3	0.0	0.1	0.0	0.1
	0.5	2.8	2.7	6.0

Scomber japonicus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	2.4	0.0	2.4
Station Group 2	0.0	2.4	0.0	2.4
Station Group 3	0.0	0.3	0.0	0.3
	0.0	5.1	0.0	5.1
Night				
Station Group 1	0.0	0.1	0.0	0.1
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.1	0.0	0.1

TABLE 3 CONT.'D

Selar crumenophthalmus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	1.3	0.0	0.0	1.3
Station Group 3	0.0	0.0	0.0	0.0
	1.3	0.0	0.0	1.3
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

Serranus atrobranchus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.4	0.0	0.4
Station Group 2	3.7	3.8	11.9	19.4
Station Group 3	4.6	6.1	18.0	28.7
	8.3	10.3	29.9	48.5
Night				
Station Group 1	0.0	0.7	0.0	0.7
Station Group 2	2.9	9.6	19.7	32.2
Station Group 3	10.3	20.9	47.0	78.2
	13.2	31.2	66.7	111.1

Sphoeroides parvus

	Winter	Spring	Fall	
Day				
Station Group 1	0.1	0.0	1.3	1.4
Station Group 2	3.4	0.1	0.1	3.6
Station Group 3	0.0	0.0	0.0	0.0
	3.5	0.1	1.4	5.0
Night				
Station Group 1	0.7	1.9	6.3	8.9
Station Group 2	1.9	0.5	0.4	2.8
Station Group 3	0.0	0.0	0.0	0.0
	2.6	2.4	6.7	11.7

TABLE 3 CONT.'D

Stenotomus caprinus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.1	0.1
Station Group 2	1.8	1.8	4.3	7.9
Station Group 3	3.9	7.1	9.9	20.9
	5.7	8.9	14.3	28.9
Night				
Station Group 1	0.0	0.7	0.2	0.9
Station Group 2	3.4	12.3	10.1	25.8
Station Group 3	8.5	13.5	17.3	39.3
	11.9	26.5	27.6	66.0

Syacium gunteri

	Winter	Spring	Fall	
Day				
Station Group 1	2.5	0.1	11.4	14.0
Station Group 2	0.9	0.7	2.7	4.3
Station Group 3	0.0	0.0	0.0	0.0
	3.4	0.8	14.1	18.3
Night				
Station Group 1	2.8	3.9	12.7	19.4
Station Group 2	1.8	6.0	9.1	16.9
Station Group 3	1.7	0.8	0.0	2.5
	6.3	10.7	21.8	38.8

Synodus foetens

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	1.1	0.5	1.6
Station Group 2	1.1	3.6	6.0	10.7
Station Group 3	0.5	1.6	1.4	3.4
	1.6	6.3	7.9	15.8
Night				
Station Group 1	0.0	0.6	0.6	1.2
Station Group 2	0.5	1.3	1.7	3.5
Station Group 3	0.0	0.5	0.3	0.8
	0.5	2.4	2.6	5.5

TABLE 3 CONT.'D

Synodus poeyi

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.1	0.1
Station Group 2	0.5	0.0	0.3	0.8
Station Group 3	0.0	0.0	0.0	0.0
	0.5	0.0	0.4	0.9
Night				
Station Group 1	0.0	0.0	0.1	0.1
Station Group 2	0.8	3.8	2.1	6.7
Station Group 3	0.0	0.1	0.1	0.2
	0.8	3.9	2.3	7.0

Trachurus lathami

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	215.8	8.4	224.2
Station Group 2	1.2	92.8	15.5	109.5
Station Group 3	0.1	70.8	18.3	89.2
	1.2	379.4	42.2	422.9
Night				
Station Group 1	0.0	2.3	0.6	2.9
Station Group 2	0.1	0.5	1.3	1.9
Station Group 3	0.3	3.5	7.9	11.7
	0.4	6.3	9.8	16.5

Trichiurus lepturus

	Winter	Spring	Fall	
Day				
Station Group 1	0.4	3.5	0.3	4.2
Station Group 2	0.1	0.2	1.8	2.1
Station Group 3	0.0	0.0	0.0	0.0
	0.5	3.7	2.1	6.3
Night				
Station Group 1	3.1	0.0	0.4	3.5
Station Group 2	0.3	0.2	0.1	0.6
Station Group 3	0.0	0.0	0.1	0.1
	3.4	0.2	0.6	4.2

TABLE 3 CONT.'D

Trichopsetta ventralis

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.1	0.0	0.2	0.3
Station Group 3	0.3	0.2	2.6	3.1
	0.4	0.2	2.8	3.4
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.9	0.6	1.8	3.3
Station Group 3	4.3	3.4	5.9	13.6
	5.2	4.0	7.7	16.9

Upeneus parvus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.3	0.3	0.6
Station Group 2	0.1	1.1	3.2	4.4
Station Group 3	1.3	1.1	5.5	7.9
	1.4	2.5	9.0	12.9
Night				
Station Group 1	0.0	2.7	0.3	3.0
Station Group 2	0.1	5.3	0.9	6.3
Station Group 3	1.4	1.3	4.3	7.0
	1.5	9.3	5.5	16.3

Urophycis cirratus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.2	0.2
Station Group 3	0.0	0.0	0.6	0.6
	0.0	0.0	0.8	0.8
Night				
Station Group 1	0.1	0.0	0.0	0.1
Station Group 2	0.1	2.4	0.0	2.5
Station Group 3	0.1	2.5	2.0	4.6
	0.3	4.9	2.0	7.2

TABLE 4

CATCHES OF MAJOR SPECIES
(EXPRESSED AS AVERAGE NUMBER OF INDIVIDUALS CAUGHT PER TRAWL)
OVER THE FOUR TRANSECTS FOR EACH SAMPLING PERIOD
(MINOR DISCREPANCIES IN MARGINAL TOTALS DUE TO ROUNDING ERROR)

	Winter	Spring	Fall	
Anchoa hepsetus				
Day				
Transect I	0	6.3	0.2	6.5
Transect II	0	4.4	0.6	5.0
Transect III	1.3	0	4.3	5.6
Transect IV	0	0.1	0.1	0.2
	1.3	10.8	5.2	17.3
Night				
Transect I	0	0	0.2	0.2
Transect II	0	0	0	0
Transect III	0	0	0.5	0.5
Transect IV	0	0	0.1	0.1
	0	0	0.8	0.8
Anchoa mitchilli				
Day				
Transect I	0	0.3	0	0.3
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0.3	0	0.3
Night				
Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	3.0	0	0	3.0
Transect IV	0	0	0	0
	3.0	0	0	3.0

TABLE 4 CONT.'D

Bollmannia communis

Day	Winter	Spring	Fall	
Transect I	0	0	0	0
Transect II	0	0	0.3	0.3
Transect III	0.2	0	0	0.2
Transect IV	0	0	0.4	0.4
	0.2	0	0.7	0.9
Night				
Transect I	0.2	1.1	0.2	1.5
Transect II	0.2	1.0	0.7	1.9
Transect III	0	0	0.3	0.3
Transect IV	0.3	0.1	0.3	0.7
	0.7	2.2	1.5	4.4

Brevoortia patronus

Day				
Transect I	0.5	30.1	0	30.6
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0.5	30.1	0	30.6
Night				
Transect I	0	0	0	0
Transect II	0.1	0	0.1	0.2
Transect III	0	0	0	0
Transect IV	0.3	0	0	0.3
	0.4	0	0.1	0.5

TABLE 4 CONT.'D

Caulolatilus intermedius

	Winter	Spring	Fall	
Day				
Transect I	0	0.8	0.7	1.5
Transect II	0.1	0.1	0.8	1.0
Transect III	0	0	0.7	0.7
Transect IV	0.3	0.6	4.4	5.3
	0.4	1.5	6.6	8.5
Night				
Transect I	0.2	0.3	0.2	0.7
Transect II	0	0.4	0.4	0.8
Transect III	0	0	0.3	0.3
Transect IV	0.2	0.2	3.1	3.5
	0.4	0.9	4.0	5.3

Centropristis philadelphica

Day				
Transect I	2.3	0	0.3	2.6
Transect II	0.2	0.2	1.6	2.0
Transect III	0.2	0	1.3	1.5
Transect IV	0.4	0.3	1.3	2.0
	3.1	0.5	4.5	8.1
Night				
Transect I	0.8	4.3	3.0	8.1
Transect II	0.7	1.9	5.7	8.5
Transect III	0	0.8	3.1	3.9
Transect IV	0.1	0.8	3.0	3.9
	1.6	7.8	14.8	24.2

TABLE 4 CONT.'D

Chaetodipterus faber

Day	Winter	Spring	Fall	
Transect I	0	0	0.5	0.5
Transect II	0	0	0.4	0.4
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0	0.9	0.9
Night				
Transect I	0	0	2.5	2.5
Transect II	0.1	0	1.4	1.5
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0.1	0	3.9	4.0

Chloroscombrus chrysurus

Day				
Transect I	0	48.0	0.3	48.3
Transect II	0	0	0.4	0.4
Transect III	0	2.2	1.1	3.3
Transect IV	0	43.1	1.3	44.4
	0	93.3	3.1	96.4
Night				
Transect I	0	1.5	0	1.5
Transect II	0	0	0	0
Transect III	0	0	0.2	0.2
Transect IV	0	0.6	0.2	0.8
	0	2.1	0.4	2.5

TABLE 14 CONT.'D

Citharichthys spilopterus

	Winter	Spring	Fall	
Day				
Transect I	0	0	2.3	2.3
Transect II	0	0	0.7	0.7
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0	3.0	3.0
Night				
Transect I	0	0	0.7	0.7
Transect II	0	0	0.7	0.7
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0	1.4	1.4

Cynoscion arenarius

Day				
Transect I	2.2	0	2.5	4.7
Transect II	0.2	0	4.1	4.3
Transect III	0	0	0	0
Transect IV	0.1	0.1	6.8	7.0
	2.5	0.1	13.4	16.0
Night				
Transect I	3.3	0.8	0.8	4.9
Transect II	0.2	3.4	1.9	5.5
Transect III	1.0	0	0.3	1.3
Transect IV	0	0	1.1	1.1
	4.5	4.2	4.1	12.8

TABLE 4 CONT.'D

Cynoscion nothus

	Winter	Spring	Fall	
Day				
Transect I	0	62.6	4.8	67.4
Transect II	0.1	4.8	9.1	14.0
Transect III	1.0	3.5	0.3	4.8
Transect IV	0.1	1.0	0	1.1
	1.2	71.9	14.2	87.3
Night				
Transect I	0.5	2.0	1.1	3.6
Transect II	0.3	5.6	7.7	13.6
Transect III	1.5	0.2	1.7	3.4
Transect IV	0.4	0.3	0.8	1.5
	2.7	8.1	11.3	21.1

Diplectrum bivittatum

Day				
Transect I	0.3	0	1.5	1.8
Transect II	0.2	1.1	4.2	5.5
Transect III	0	0.5	1.3	1.8
Transect IV	0.3	0.7	2.6	3.6
	0.8	2.3	9.6	12.7
Night				
Transect I	0.8	0	3.2	4.0
Transect II	0.6	0.5	8.6	9.7
Transect III	0.5	0.2	7.0	7.7
Transect IV	0	0	1.1	1.1
	1.9	0.7	19.9	22.5

TABLE 4 CONT.'D

Etrumeus teres

Day	Winter	Spring	Fall	
Transect I	0	13.8	0	13.8
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	7.6	2.7	10.3
	0	21.4	2.7	24.1
Night				
Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	0	0.2	0	0.2
Transect IV	0	0.1	0	0.1
	0	0.3	0	0.3

Halieutichthys aculeatus

Day				
Transect I	0.3	0.2	2.7	3.2
Transect II	0	0	0.2	0.2
Transect III	0	0	0	0
Transect IV	0	0	0.6	0.6
	0.3	0.2	3.5	4.0
Night				
Transect I	0.7	0	1.7	2.4
Transect II	0.2	0.1	0.6	0.9
Transect III	0.5	0	0.2	0.7
Transect IV	0.1	0.3	4.0	4.4
	1.5	0.4	6.5	8.4

TABLE 4 CONT.'D

Harengula pensacolae

Day	Winter	Spring	Fall	
Transect I	0	7.3	0.8	8.1
Transect II	0	3.2	13.0	16.2
Transect III	0	0	0.7	0.7
Transect IV	0	1.0	16.8	17.8
	0	11.5	31.3	42.8
Night				
Transect I	0	0	0	0
Transect II	0	0.1	0.1	0.2
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0.1	0.1	0.2

Hoplunnis tenuis

Day				
Transect I	0	0.2	0	0.2
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0.2	0	0.2
Night				
Transect I	0	0.3	0	0.3
Transect II	0	0.8	0	0.8
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	1.1	0	1.1

TABLE 4 CONT.'D

Kathetostoma albigutta

	Winter	Spring	Fall	
Day				
Transect I	0	0	0	0
Transect II	0.3	0	0	0.3
Transect III	0	0	0	0
Transect IV	0	0	0.1	0.1
	0.3	0	0.1	0.4
Night				
Transect I	0.5	0.2	0	0.7
Transect II	0.8	0.2	0.3	1.3
Transect III	0	0.2	0.2	0.4
Transect IV	0	0	0	0
	1.3	0.6	0.5	2.4

Lutjanus campechanus

Day				
Transect I	0	0.2	1.2	1.4
Transect II	0	0.1	2.8	2.9
Transect III	0	1.8	0.5	2.3
Transect IV	0	0.6	11.0	11.6
	0	2.7	15.5	18.2
Night				
Transect I	0	0	0.5	0.5
Transect II	0.3	0.1	1.3	1.7
Transect III	0	1.2	15.0	16.2
Transect IV	0.1	1.1	6.7	7.9
	0.4	2.4	23.5	26.3

TABLE 4 CONT.'D

Micropogon undulatus

Day	Winter	Spring	Fall	
Transect I	1.7	124.6	85.5	211.8
Transect II	0	0	38.2	38.2
Transect III	0	0	0.3	0.3
Transect IV	0	0.3	1.6	1.9
	1.7	124.9	125.6	252.2
Night				
Transect I	0.7	6.3	9.0	16.0
Transect II	0.2	1.6	37.7	39.5
Transect III	0.5	0	0.5	1.0
Transect IV	0.1	4.3	15.0	19.4
	1.5	12.2	62.2	75.9

Orthopristis chrysoptera

Day				
Transect I	0.2	0	0	0.2
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0.1	0.1
	0.2	0	0.1	0.3
Night				
Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	0	0	7.8	7.8
Transect IV	0	0	2.8	2.8
	0	0	10.6	10.6

TABLE 4 CONT.'D

Peprilus burti

Day	Winter	Spring	Fall	
Transect I	0.5	158.8	8.0	167.3
Transect II	0.4	223.0	7.8	231.2
Transect III	0.8	71.0	1.8	73.6
Transect IV	0.9	154.3	2.3	157.5
	2.6	607.1	19.9	629.6
Night				
Transect I	0	1.1	0.3	1.4
Transect II	1.6	2.7	0.6	4.9
Transect III	0.5	0.7	0.5	1.7
Transect IV	1.1	0	0.9	2.0
	3.2	4.5	2.3	10.0

Polydactylus octonemus

Day				
Transect I	0	7.5	5.8	13.3
Transect II	0	0	7.3	7.3
Transect III	0	0	0	0
Transect IV	0	0.1	2.8	2.9
	0	7.6	15.9	23.5
Night				
Transect I	0	23.5	3.3	26.8
Transect II	0	3.6	3.0	6.6
Transect III	0	0.7	6.6	7.3
Transect IV	0	0.3	4.6	4.9
	0	28.1	17.5	45.6

TABLE 4 CONT.'D

Pontinus longispinis

Day	Winter	Spring	Fall	
Transect I	0.5	0.2	3.2	3.9
Transect II	0	0.3	0.6	0.9
Transect III	0	0	0.5	0.5
Transect IV	0	0	1.0	1.0
	0.5	0.5	5.3	6.3
Night				
Transect I	2.3	1.8	4.5	8.6
Transect II	0.1	2.0	0.6	2.7
Transect III	0	1.2	0.7	1.9
Transect IV	0	0.1	0	0.1
	2.4	5.1	5.8	13.3

Porichthys porosissimus

Day				
Transect I	0	0	2.0	2.0
Transect II	0	0	0.8	0.8
Transect III	0	0	0	0
Transect IV	0	0	0.1	0.1
	0	0	2.9	2.9
Night				
Transect I	0.7	1.8	1.5	4.0
Transect II	0.9	1.2	1.4	3.5
Transect III	0	1.0	1.3	2.3
Transect IV	0.7	0.6	0.3	1.6
	2.3	4.6	4.5	11.4

TABLE 4 CONT.'D

Prionotus paralatus

Day	Winter	Spring	Fall	
Transect I	0.5	0.5	12.0	13.0
Transect II	0.6	0.9	3.0	4.5
Transect III	0	0.2	5.0	5.2
Transect IV	0	0.1	2.9	3.0
	1.1	1.7	22.9	25.7
Night				
Transect I	1.8	0	1.3	3.1
Transect II	1.2	0	1.0	2.2
Transect III	0	0	0	0
Transect IV	0	0	0.6	0.6
	3.0	0	2.9	5.9

Prionotus rubio

Day				
Transect I	1.0	0	1.3	2.3
Transect II	0.3	0	1.0	1.3
Transect III	0	0	0	0
Transect IV	0	0	0.6	0.6
	1.3	0	1.9	4.2
Night				
Transect I	0.8	1.8	1.0	3.6
Transect II	0.7	0.4	2.8	3.9
Transect III	0	0.8	0	0.8
Transect IV	0.3	1.3	0.7	2.3
	1.8	4.3	4.5	10.6

TABLE 4 CONT.'D

Prionotus stearnsi

Day	Winter	Spring	Fall	
Transect I	0	0.2	1.7	1.9
Transect II	1.1	0.5	2.0	3.6
Transect III	7.8	1.0	0	8.8
Transect IV	1.4	0.3	0.9	2.6
	10.3	2.0	4.6	16.9
Night				
Transect I	0	8.7	0.2	8.9
Transect II	0	1.6	2.2	3.8
Transect III	1.0	0.3	7.3	8.6
Transect IV	0.1	1.0	3.9	5.0
	1.1	11.6	13.6	26.3

Pristipomoides aquilonaris

Day				
Transect I	4.2	8.2	5.8	18.2
Transect II	4.3	7.6	6.3	18.2
Transect III	0.8	3.8	5.5	10.1
Transect IV	8.1	7.7	5.7	21.5
	17.4	27.3	23.3	68.0
Night				
Transect I	4.3	5.3	3.8	13.4
Transect II	2.8	6.6	4.6	14.0
Transect III	0	4.2	8.0	12.2
Transect IV	0.7	11.3	4.7	16.7
	7.8	27.4	21.1	56.3

TABLE 4 CONT.'D

Saurida brasiliensis

Day	Winter	Spring	Fall	
Transect I	0.2	0.2	0.8	1.2
Transect II	0.4	0.7	0.8	1.9
Transect III	5.0	2.7	0.2	7.9
Transect IV	1.0	0	0	1.0
	6.6	3.6	1.8	12.0
Night				
Transect I	0	1.7	0.2	1.9
Transect II	0	1.7	1.6	3.3
Transect III	1.3	0	1.7	3.0
Transect IV	0.1	0.3	0.4	0.8
	1.4	3.7	3.9	9.0

Scomber japonicus

Day				
Transect I	0	3.0	0	3.0
Transect II	0	0.3	0	0.3
Transect III	0	0.2	0	0.2
Transect IV	0	4.3	0	4.3
	0	7.8	0	7.8
Night				
Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0.1	0	0.1
	0	0.1	0	0.1

TABLE 4 CONT.'D

Selar crumenophthalmus

Day	Winter	Spring	Fall	
Transect I	0	0	0	0
Transect II	0.2	0	0	0.2
Transect III	0	0	0	0
Transect IV	2.1	0	0	2.1
	2.3	0	0	2.3
Night				
Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0	0	0

Serranus atrobranchus

Day				
Transect I	2.5	3.2	8.8	14.5
Transect II	2.7	5.3	6.5	14.5
Transect III	5.8	1.7	11.5	19.0
Transect IV	2.1	3.1	19.4	24.6
	13.1	13.3	46.2	72.6
Night				
Transect I	5.5	18.3	22.3	46.1
Transect II	6.9	10.5	17.5	34.9
Transect III	0	6.0	42.7	48.7
Transect IV	1.7	10.7	24.9	37.3
	14.1	45.5	107.4	167.0

TABLE 4 CONT.'D

Sphoeroides parvus

	Winter	Spring	Fall	
Day				
Transect I	0.3	0	0.7	1.0
Transect II	1.0	0	0.5	1.5
Transect III	1.5	0	0	1.5
Transect IV	3.6	0.1	0.1	3.8
	6.4	0.1	1.3	7.8
Night				
Transect I	0.8	0	2.8	3.6
Transect II	1.2	0.1	0.8	2.1
Transect III	0.3	2.3	3.0	5.6
Transect IV	1.3	1.3	2.0	4.6
	3.6	3.7	8.6	15.9

Stenotomus caprinus

Day				
Transect I	3.3	4.0	7.2	14.5
Transect II	2.0	2.2	6.3	10.5
Transect III	0.3	2.3	2.3	4.9
Transect IV	1.4	4.4	3.3	9.1
	8.0	13.9	19.1	39.0
Night				
Transect I	5.2	7.0	16.0	28.2
Transect II	5.1	15.1	8.9	29.1
Transect III	0.3	2.8	5.0	8.1
Transect IV	2.4	4.9	12.1	19.4
	13.0	29.8	42.0	84.8

TABLE 4 CONT.'D

Syacium gunteri

	Winter	Spring	Fall	
Day				
Transect I	0.7	0.3	6.7	7.7
Transect II	0.7	0.4	6.6	7.7
Transect III	3.8	0.3	0	4.1
Transect IV	0.7	0.1	1.0	1.8
	5.9	1.1	14.3	21.3
Night				
Transect I	1.3	4.7	6.5	12.5
Transect II	1.9	5.3	11.1	17.3
Transect III	5.8	1.7	1.7	9.2
Transect IV	0.7	0.9	1.6	3.2
	9.7	12.6	20.9	43.2

Synodus foetens

Day				
Transect I	0.7	3.3	3.2	7.2
Transect II	0.7	3.6	3.1	7.4
Transect III	0	0.3	1.8	2.1
Transect IV	0.9	1.0	4.1	6.0
	2.3	8.2	12.2	22.7
Night				
Transect I	0.3	0.3	1.2	1.8
Transect II	0.3	1.3	0.8	2.4
Transect III	0.3	0.3	1.0	1.6
Transect IV	0	0.6	1.1	1.7
	0.9	2.5	4.1	7.5

TABLE 4 CONT.'D

Synodus poeyi

Day	Winter	Spring	Fall	
Transect I	0.2	0	0.5	0.7
Transect II	0.2	0	0.2	0.4
Transect III	1.0	0	0	1.0
Transect IV	0	0	0	0
	1.4	0	0.7	2.1
Night				
Transect I	0	2.5	0.3	2.8
Transect II	0.5	2.2	0.8	3.5
Transect III	0.5	0.7	3.0	4.2
Transect IV	0.1	0.3	0.3	0.7
	1.1	5.7	4.4	11.2

Trachurus lathami

Day				
Transect I	0.2	188.7	26.8	215.7
Transect II	1.2	117.0	6.0	124.2
Transect III	0.3	87.0	19.7	107.0
Transect IV	0.1	83.4	14.3	97.8
	1.8	476.1	66.8	544.7
Night				
Transect I	0	0.9	0.3	1.2
Transect II	0.2	2.8	0.3	3.3
Transect III	0	1.8	15.3	17.1
Transect IV	0.1	0.7	3.1	3.9
	0.3	6.2	19.0	25.5

TABLE 4 CONT.'D

Trichiurus lepturus

Day	Winter	Spring	Fall	
Transect I	0.2	4.3	0.8	5.3
Transect II	0	0.4	0.3	0.7
Transect III	0.5	0	0.3	0.8
Transect IV	0.1	0	2.3	2.4
	0.8	4.7	3.7	9.2
Night				
Transect I	0.8	0	0	0.8
Transect II	0.3	0.2	0.5	1.0
Transect III	1.5	0	0.2	1.7
Transect IV	2.3	0	0	2.3
	4.9	0.2	0.7	5.8

Trichopsetta ventralis

Day				
Transect I	0	0.2	1.0	1.2
Transect II	0.2	0	0.6	0.8
Transect III	0.2	0.2	0.8	1.2
Transect IV	0	0	1.6	1.6
	0.4	0.4	4.0	4.8
Night				
Transect I	2.2	0.7	2.3	5.2
Transect II	2.4	1.7	3.1	7.2
Transect III	0	1.7	3.7	5.4
Transect IV	0	0.7	1.1	1.8
	4.6	4.8	11.2	19.6

TABLE 4 CONT.'D

Upeneus parvus

Day	Winter	Spring	Fall	
Transect I	0	1.2	3.8	5.0
Transect II	0.8	1.3	1.3	3.4
Transect III	0	0.2	4.2	4.4
Transect IV	0.3	0.6	5.1	6.0
	1.1	3.3	14.4	18.8
Night				
Transect I	0.5	1.8	0.8	3.1
Transect II	0.4	6.1	0.7	7.2
Transect III	0	0.3	6.5	6.8
Transect IV	0.7	0	1.9	2.6
	1.6	8.2	9.9	19.7

Urophycis cirratus

Day				
Transect I	0	0	0.3	0.3
Transect II	0	0	0	0
Transect III	0	0	0.2	0.2
Transect IV	0	0	0.7	0.7
	0	0	1.2	1.2
Night				
Transect I	0	1.5	0.8	2.3
Transect II	0.1	2.0	0.4	2.5
Transect III	0.3	0.3	1.8	2.4
Transect IV	0	3.0	0	3.0
	0.4	6.8	3.0	10.2

TABLE 5

NUMBERS AND WEIGHTS OF BENTHIC FISHES COLLECTED
AT ALL STATIONS DURING ALL SAMPLING PERIODS, 1977

TRANSECT 1 STATION 1 D TRAWL 77 WINTER
02/13/77 TIME: 1250 SAMPLE CODE: BBEN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYACIUM GUNTERI	1	12.6
MICROPOGON UNDULATUS	1	17.4
PEPRILUS BURTI	3	23.3
UMBRINA COROIDES	2	43.9
PRIONOTUS RUBIO	2	68.6
CYNOSCION ARENARIUS	6	108.3
ARIUS FELIS	1	158.3
MENTICIRRHUS AMERICANUS	1	292.3
TOTALS 8	17	724.7

TRANSECT 1 STATION 1 N TRAWL 77 WINTER
02/13/77 TIME: 2015 SAMPLE CODE: BBER
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STELLIFER LANCEOLATUS	1	12.3
CYNOSCION NOTHUS	3	12.7
SYACIUM GUNTERI	1	14.0
MICROPOGON UNDULATUS	1	14.0
ETROPUS CROSSOTUS	2	36.0
PEPRILUS ALEPIDOTUS	1	46.5
MENTICIRRHUS AMERICANUS	1	59.9
TRICHIURUS LEPTURUS	5	69.0
CYNOSCION ARENARIUS	6	227.8
TOTALS 9	21	492.2

TRANSECT 1 STATION 2 D TRAWL 77 WINTER
02/13/77 TIME: 955 SAMPLE CODE: BBGM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	2.8
SAURIDA BRASILIENSIS	1	4.4
SPHOEROIDES PARVUS	1	8.0
PRIONOTUS RUBIO	1	30.4
DIPLECTRUM BIVITTATUM	2	40.1
SERRANUS ATROBRANCHUS	4	49.7
SYACIUM GUNTERI	3	94.2
CENTROPRISTIS PHILADELPHICA	2	213.9
SYNODUS FOETENS	2	312.9
TOTALS 9	17	756.4

TRANSECT 1 STATION 2 N TRAWL 77 WINTER
02/13/77 TIME: 2245 SAMPLE CODE: BBGP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BOLLMANNIA COMMUNIS	1	2.2
SCORPAENA DISPAR	1	3.9
PORICHTHYS POROSISSIMUS	3	9.6
ENGYOPHRYS SENTA	3	12.1
CENTROPRISTIS PHILADELPHICA	2	17.9
SERRANUS ATROBRANCHUS	2	18.2
LEPOPHIDIUM GRAELLSI	1	34.3
DIPLECTRUM BIVITTATUM	5	62.1
SYACIUM GUNTERI	6	103.3
SYNODUS FOETENS	2	194.9
TOTALS 10	26	458.5

TRANSECT 1 STATION 3 D TRAWL 77 WINTER
02/14/77 TIME: 1155 SAMPLE CODE: BBIK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	2	35.8
PRIONOTUS PARALATUS	1	45.5
PONTINUS LONGISPINIS	3	183.0
PRISTIPOMOIDES AQUILONARIS	20	1306.9
TOTALS 4	26	1571.2

TRANSECT 1 STATION 3 N TRAWL 77 WINTER
02/14/77 TIME: 310 SAMPLE CODE: BBIN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	3	18.2
TRICHOPSETTA VENTRALIS	6	79.3
PRIONOTUS RUBIO	1	82.0
KATHETOSTOMA ALBIGUTTA	2	88.6
DECODON PUELLARIS	1	101.5
UPENEUS PARVUS	3	107.2
CYNOSCION ARENARIUS	1	176.3
STENOTOMUS CAPRINUS	4	212.5
SERRANUS ATROBRANCHUS	12	221.8
PRIONOTUS PARALATUS	7	235.2
PONTINUS LONGISPINIS	14	649.4
PRISTIPOMOIDES AQUILONARIS	16	1867.9
TOTALS 12	70	3839.9

TRANSECT 1 STATION 4 D TRAWL 77 WINTER
02/13/77 TIME: 1525 SAMPLE CODE: BCIR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	5.5
PEPRILUS BURTI	1	11.1
TRICHIURUS LEPTURUS	1	13.0
ORTHOPRISTIS CHRYSOPTERA	1	19.9
STELLIFER LANCEOLATUS	2	20.5
DASYATIS AMERICANA	1	107.5
BREVOORTIA PATRONUS	3	119.8
MICROPOGON UNDULATUS	9	197.1
CYNOSCION ARENARIUS	7	315.9
TOTALS 9	26	810.3

TRANSECT 1 STATION 4 N TRAWL 77 WINTER
02/13/77 TIME: 1930 SAMPLE CODE: BCIV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANICULUS PUMILIO	1	2.7
PEPRILUS ALEPIDOTUS	1	11.3
UROPHYCIS FLORIDANUS	1	15.4
STELLIFER LANCEOLATUS	2	18.2
SPHOEROIDES PARVUS	5	44.2
ETROPUS CROSSOTUS	3	46.9
MICROPOGON UNDULATUS	3	125.3
MENTICIRRHUS AMERICANUS	3	198.1
CYNOSCION ARENARIUS	12	274.9
TOTALS 9	31	737.0

TRANSECT 1 STATION 5 D TRAWL 77 WINTER
02/14/77 TIME: 805 SAMPLE CODE: BCKE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	2	11.0
SERRANUS ATROBRANCHUS	5	78.3
PRIACANTHUS ARENATUS	1	180.4
PRISTIPOMOIDES AQUILONARIS	2	193.6
PRIONOTUS RUBIO	3	195.6
CYCLOPSETTA CHITTENDENI	1	276.1
SYNODUS FOETENS	2	314.5
STENOTOMUS CAPRINUS	11	499.3
CENTROPRISTIS PHILADELPHICA	10	533.1
TOTALS 9	37	2281.9

TRANSECT 1 STATION 5 N TRAWL 77 WINTER
02/14/77 TIME: 105 SAMPLE CODE: BCKH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	5.0
SCORPAENA CALCARTA	1	6.7
PORICHTHYS POROSISSIMUS	1	9.0
OGCOCEPHALUS SPECIES	1	9.2
PRIONOTUS PARALATUS	1	13.0
BELLATOR MILITARIS	2	16.0
GYMNACHIRUS TEXAE	2	39.3
KATHETOSTOMA ALBIGUTTA	1	58.4
TRICHOPSETTA VENTRALIS	4	99.0
PRIACANTHUS ARENATUS	3	101.8
PRISTIPOMOIDES AQUILONARIS	1	131.2
SERRANUS ATROBRANCHUS	11	185.3
PRIONOTUS RUBIO	4	187.3
CYNOSCION ARENARIUS	1	348.2
STENOTOMUS CAPRINUS	14	799.2
CENTROPRISTIS PHILADELPHICA	3	1049.0
TOTALS 16	51	3057.6

TRANSECT 1 STATION 6 D TRAWL 77 WINTER
02/14/77 TIME: 950 SAMPLE CODE: BCLQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	1	22.1
SERRANUS ATROBRANCHUS	4	68.0
PRIONOTUS PARALATUS	2	83.9
PRISTIPOMOIDES AQUILONARIS	3	164.6
CENTROPRISTIS PHILADELPHICA	2	295.4
STENOTOMUS CAPRINUS	9	432.0
TOTALS 6	21	1066.0

TRANSECT 1 STATION 6 N TRAWL 77 WINTER
02/14/77 TIME: 2205 SAMPLE CODE: BCLT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	7.5
SYACIUM GUNTERI	1	37.2
TRICHOPSETTA VENTRALIS	3	44.5
LEPOPHIDIUM GRAELLSI	1	63.2
CAULOLATILUS INTERMEDIUS	1	73.5
PRIONOTUS PARALATUS	3	88.6
SERRANUS ATROBRANCHUS	8	131.2
STENOTOMUS CAPRINUS	13	586.3
PRISTIPOMOIDES AQUILONARIS	9	785.7
TOTALS 9	40	1817.7

TRANSECT 2 STATION 1 D TRAWL 77 WINTER
02/09/77 TIME: 1540 SAMPLE CODE: BCNM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION ARENARIUS	2	9.8
PEPRILUS BURTI	2	10.6
STELLIFER LANCEOLATUS	1	16.9
SYACIUM GUNTERI	7	72.7
TOTALS 4	12	110.0

TRANSECT 2 STATION 1 N TRAWL 77 WINTER
02/09/77 TIME: 1905 SAMPLE CODE: BCNQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYACIUM GUNTERI	1	3.8
CYNOSCION NOTHUS	1	8.0
CHAETODIPTERUS FABER	1	9.0
TRICHIURUS LEPTURUS	1	21.2
LEIOSTOMUS XANTHURUS	1	57.8
TOTALS 5	5	99.8

TRANSECT 2 STATION 1 N TRAWL 77 WINTER
02/09/77 TIME: 1925 SAMPLE CODE: BCNT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS BURTI	1	4.0
TRICHIURUS LEPTURUS	1	5.1
SYACIUM GUNTERI	2	18.6
CYNOSCION NOTHUS	5	22.2
MICROPOGON UNDULATUS	2	87.1
UROPHYCIS FLORIDANUS	1	222.4
TOTALS 6	12	359.4

TRANSECT 2 STATION 1 N TRAWL 77 WINTER
02/09/77 TIME: 1950 SAMPLE CODE: BCNW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION ARENARIUS	2	4.3
TRICHIURUS LEPTURUS	2	11.1
UROPHYCIS FLORIDANUS	1	16.0
SYACIUM GUNTERI	1	18.5
LEIOSTOMUS XANTHURUS	1	24.3
TOTALS 5	7	74.2

TRANSECT 2 STATION 2 D TRAWL 77 WINTER
02/10/77 TIME: 1045 SAMPLE CODE: BCPK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	6.1
PRIONOTUS STEARNSI	1	8.8
SERRANUS ATROBRANCHUS	2	20.1
CENTROPRISTIS PHILADELPHICA	1	21.7
DIPLECTRUM BIVITTATUM	1	22.2
TRACHURUS LATHAMI	1	51.4
TOTALS 6	7	130.3

TRANSECT 2 STATION 2 D TRAWL 77 WINTER
02/10/77 TIME: 1030 SAMPLE CODE: BCPN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	1	2.0
DIPLECTRUM BIVITTATUM	1	15.1
SPHOEROIDES PARVUS	3	16.8
SERRANUS ATROBRANCHUS	3	30.6
PEPRILUS BURTI	1	52.8
SYNODUS FOETENS	1	61.3
TRACHURUS LATHAMI	11	336.9
TOTALS 7	21	515.5

TRANSECT 2 STATION 2 N TRAWL 77 WINTER
02/10/77 TIME: 2325 SAMPLE CODE: BCPR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BOLLMANNIA COMMUNIS	1	1.0
ANTENNARIUS RADIOSUS	2	1.8
PORICHTHYS POROSISSIMUS	1	6.3
SERRANUS ATROBRANCHUS	1	6.7
EPINEPHELUS NIGRITUS	1	7.6
DIPLECTRUM BIVITTATUM	1	19.5
SYNODUS FOETENS	1	42.3
SYACIUM GUNTERI	5	81.9
TOTALS 8	13	167.1

TRANSECT 2 STATION 2 N TRAWL 77 WINTER
02/10/77 TIME: 2350 SAMPLE CODE: BCPU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	4.5
CENTROPRISTIS PHILADELPHICA	1	16.1
SERRANUS ATROBRANCHUS	2	23.5
LUTJANUS CAMPECHANUS	2	38.8
DIPLECTRUM BIVITTATUM	3	59.3
PEPRILUS BURTI	2	99.2
TOTALS 6	11	241.4

TRANSECT 2 STATION 2 N TRAWL 77 WINTER
02/10/77 TIME: 0 SAMPLE CODE: BCPX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	2.1
DIPLECTRUM BIVITTATUM	2	25.2
SYACIUM GUNTERI	2	25.8
SERRANUS ATROBRANCHUS	4	32.5
PEPRILUS BURTI	1	50.9
CENTROPRISTIS PHILADELPHICA	1	170.1
TOTALS 6	11	306.6

TRANSECT 2 STATION 3 D TRAWL 77 WINTER
02/10/77 TIME: 1705 SAMPLE CODE: BCRL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	10.0
SERRANUS ATROBRANCHUS	2	41.2
STENOTOMUS CAPRINUS	2	139.0
PRISTIPOMOIDES AQUILONARIS	8	1010.5
TOTALS 4	13	1200.7

TRANSECT 2 STATION 3 D TRAWL 77 WINTER
02/10/77 TIME: 1750 SAMPLE CODE: BCRO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	7	81.6
PRIONOTUS PARALATUS	4	132.0
SYNODUS FOETENS	1	144.0
STENOTOMUS CAPRINUS	3	175.3
SERRANUS ATROBRANCHUS	8	182.3
UPENEUS PARVUS	9	241.0
PRISTIPOMOIDES AQUILONARIS	23	2750.7
TOTALS 7	55	3706.9

TRANSECT 2 STATION 3 N TRAWL 77 WINTER
02/10/77 TIME: 2040 SAMPLE CODE: BCRS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS RUBIO	2	27.2
UPENEUS PARVUS	1	28.3
SYACIUM GUNTERI	3	58.6
SERRANUS ATROBRANCHUS	4	77.2
STENOTOMUS CAPRINUS	10	485.7
PRISTIPOMOIDES AQUILONARIS	9	768.5
TOTALS 6	29	1445.5

TRANSECT 2 STATION 3 N TRAWL 77 WINTER
02/10/77 TIME: 2125 SAMPLE CODE: BCRV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	60.9
PRIONOTUS PARALATUS	3	68.8
SERRANUS ATROBRANCHUS	6	98.8
PRISTIPOMOIDES AQUILONARIS	13	857.8
TOTALS 4	23	1086.3

TRANSECT 2 STATION 3 N TRAWL 77 WINTER
02/10/77 TIME: 2210 SAMPLE CODE: BCRY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	1	40.0
PONTINUS LONGISPINIS	2	42.7
PRIONOTUS PARALATUS	2	52.5
STENOTOMUS CAPRINUS	3	167.4
PRISTIPOMOIDES AQUILONARIS	4	438.5
TOTALS 5	12	741.1

TRANSECT 2 STATION 4 D TRAWL 77 WINTER
02/09/77 TIME: 1250 SAMPLE CODE: BCTF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS BURTI	2	38.0
RHINOPTERA BONASUS	1	664.6
TOTALS 2	3	702.6

TRANSECT 2 STATION 4 D TRAWL 77 WINTER
02/09/77 TIME: 1315 SAMPLE CODE: BCTI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	3.0
SAURIDA BRASILIENSIS	1	3.0
TRACHURUS LATHAMI	1	4.0
CYCLOPSETTA CHITTENDENI	1	11.2
SPHOEROIDES PARVUS	8	33.5
SYNODUS FOETENS	2	119.2
TOTALS 6	14	173.9

TRANSECT 2 STATION 4 N TRAWL 77 WINTER
02/09/77 TIME: 2110 SAMPLE CODE: BCTM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	1	7.0
SYACIUM GUNTERI	2	16.4
SPHOEROIDES PARVUS	5	21.1
TOTALS 3	8	44.5

TRANSECT 2 STATION 4 N TRAWL 77 WINTER
02/09/77 TIME: 2155 SAMPLE CODE: BCTP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	2.0
BOLLMANNIA COMMUNIS	2	4.0
SYNODUS POEYI	4	23.2
DIPLECTRUM BIVITTATUM	4	50.1
SYNODUS FOETENS	2	54.3
SPHOEROIDES PARVUS	12	60.0
SYACIUM GUNTERI	6	63.9
CENTROPRISTIS PHILADELPHICA	3	82.6
BREVOORTIA PATRONUS	1	117.1
TOTALS 9	35	457.2

TRANSECT 2 STATION 4 N TRAWL 77 WINTER
02/09/77 TIME: 2215 SAMPLE CODE: BCTS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BREGMACEROS ATLANTICUS	1	1.0
TRICHIURUS LEPTURUS	1	1.5
ANTENNARIUS RADIOSUS	1	1.8
ENGYOPHRYS SENTA	1	2.2
SYNODUS POEYI	2	8.7
SPHOEROIDES PARVUS	4	18.7
TOTALS 6	10	33.9

TRANSECT 2 STATION 5 D TRAWL 77 WINTER
02/10/77 TIME: 1315 SAMPLE CODE: BCUX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	2.4
SYACIUM GUNTERI	1	7.4
TRACHURUS LATHAMI	1	28.9
PRIONOTUS STEARNSI	3	31.8
STENOTOMUS CAPRINUS	2	49.0
SERRANUS ATROBRANCHUS	3	53.6
CYNOSCION NOTHUS	1	67.9
PRIACANTHUS ARENATUS	1	211.9
TOTALS 8	13	452.9

TRANSECT 2 STATION 5 D TRAWL 77 WINTER
02/10/77 TIME: 1340 SAMPLE CODE: BCVA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	3.8
SERRANUS ATROBRANCHUS	1	10.1
PRISTIPOMOIDES AQUILONARIS	1	41.3
SELAR CRUMENOPHTHALMUS	2	48.0
SYNODUS FOETENS	1	187.6
STENOTOMUS CAPRINUS	3	198.4
TOTALS 6	9	489.2

TRANSECT 2 STATION 5 N TRAWL 77 WINTER
02/14/77 TIME: 2220 SAMPLE CODE: BCVE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	5.2
UPENEUS PARVUS	1	13.0
PORICHTHYS POROSISSIMUS	3	22.7
HOPLUNNIS MACRURUS	1	24.3
TRICHOPSETTA VENTRALIS	3	56.0
SERRANUS ATROBRANCHUS	9	74.2
KATHETOSTOMA ALBIGUTTA	3	119.0
CENTROPRISTIS PHILADELPHICA	2	124.2
PRISTIPOMOIDES AQUILONARIS	2	137.0
SYNODUS FOETENS	2	140.4
PEPRILUS BURTI	3	245.5
STENOTOMUS CAPRINUS	9	373.7
TOTALS 12	39	1335.2

TRANSECT 2 STATION 5 N TRAWL 77 WINTER
02/14/77 TIME: 2250 SAMPLE CODE: BCVH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	7.0
HOPLUNNIS MACRURUS	1	8.5
SYNODUS POEYI	2	8.9
LONCHOPISTHUS LINDNERI	1	11.1
PRIONOTUS RUBIO	1	11.2
OGCOCEPHALUS SPECIES	1	24.3
PRIONOTUS ROSEUS	1	33.5
ANCYLOPSETTA DILECTA	1	44.3
TRACHURUS LATHAMI	1	52.2
ANTENNARIUS RADIOSUS	1	74.8
TRICHOPSETTA VENTRALIS	4	88.5
SERRANUS ATROBRANCHUS	8	108.5
KATHETOSTOMA ALBIGUTTA	7	160.2
STENOTOMUS CAPRINUS	9	464.7
TOTALS 14	39	1097.7

TRANSECT 2 STATION 5 N TRAWL 77 WINTER
02/14/77 TIME: 2320 SAMPLE CODE: BCVK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
OGCOCEPHALUS SPECIES	1	12.5
PRIONOTUS PARALATUS	1	13.7
TRICHOPSETTA VENTRALIS	3	31.0
PORICHTHYS POROSISSIMUS	5	40.5
SELENE VOMER	1	45.0
PRIONOTUS RUBIO	1	58.2
SERRANUS ATROBRANCHUS	9	75.5
ANCYLOPSETTA DILECTA	2	84.4
CENTROPRISTIS PHILADELPHICA	2	125.7
KATHETOSTOMA ALBIGUTTA	2	140.2
CYNOSCION ARENARIUS	2	339.0
STENOTOMUS CAPRINUS	10	448.7
TOTALS 12	39	1414.4

TRANSECT 2 STATION 6 D TRAWL 77 WINTER
02/10/77 TIME: 1450 SAMPLE CODE: BCWP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	7.0
PRIONOTUS STEARNSI	1	10.8
TRICHOPSETTA VENTRALIS	1	18.8
KATHETOSTOMA ALBIGUTTA	1	54.2
CENTROPRISTIS PHILADELPHICA	1	81.4
PRIONOTUS RUBIO	4	92.7
SERRANUS ATROBRANCHUS	8	143.3
SYNODUS FOETENS	1	186.5
STENOTOMUS CAPRINUS	11	703.0
PRISTIPOMOIDES AQUILONARIS	14	1120.2
TOTALS 10	43	2417.9

TRANSECT 2 STATION 6 D TRAWL 77 WINTER
02/10/77 TIME: 1530 SAMPLE CODE: BCWS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	2	7.0
TRICHOPSETTA VENTRALIS	1	33.1
STENOTOMUS CAPRINUS	3	54.7
LAGOCEPHALUS LAEVIGATUS	1	68.1
SERRANUS ATROBRANCHUS	5	90.0
PRIONOTUS PARALATUS	3	104.1
CAULOLATILUS INTERMEDIUS	1	106.0
KATHETOSTOMA ALBIGUTTA	3	146.3
CYCLOPSETTA CHITTENDENI	1	152.5
PRIACANTHUS ARENATUS	2	367.3
SYNODUS FOETENS	2	423.7
PRISTIPOMOIDES AQUILONARIS	6	785.8
TOTALS 12	30	2338.6

TRANSECT 2 STATION 6 N TRAWL 77 WINTER
02/14/77 TIME: 2015 SAMPLE CODE: BCWW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES SPENGLERI	1	.4
UROPHYCIS CIRRATUS	1	3.3
PORICHTHYS POROSISSIMUS	1	7.0
GYMNACHIRUS TEXAE	1	12.2
BROTULA BARBATA	1	44.5
PRIONOTUS ROSEUS	1	55.2
KATHETOSTOMA ALBIGUTTA	2	56.0
MICROPOGON UNDULATUS	1	82.0
UPENEUS PARVUS	2	86.0
EQUETUS ACUMINATUS	2	129.9
PRIONOTUS RUBIO	8	208.8
CENTROPRISTIS PHILADELPHICA	2	213.6
SYACIUM GUNTERI	13	226.4
PEPRILUS BURTI	6	519.1
STENOTOMUS CAPRINUS	11	544.8
SERRANUS ATROBRANCHUS	34	555.8
PRISTIPOMOIDES AQUILONARIS	7	676.7
TOTALS 17	94	3421.7

TRANSECT 2 STATION 6 N TRAWL 77 WINTER
02/14/77 TIME: 2045 SAMPLE CODE: BCWZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	10.0
PIKEA MEXICANA	1	12.0
DECODON PUELLARIS	1	12.8
HALIEUTICHTHYS ACULEATUS	2	15.0
PORICHTHYS POROSISSIMUS	3	37.0
UPENEUS PARVUS	1	43.8
EQUETUS ACUMINATUS	1	47.9
PRIONOTUS RUBIO	1	60.1
UROCONGER SYRINGUS	1	86.0
CENTROPRISTIS PHILADELPHICA	1	115.6
OGCOCEPHALUS SPECIES	2	127.6
LUTJANUS CAMPECHANUS	1	169.0
PRIONOTUS PARALATUS	8	279.5
TRICHOPSETTA VENTRALIS	15	302.6
SERRANUS ATROBRANCHUS	30	471.1
PRISTIPOMOIDES AQUILONARIS	9	895.6
STENOTOMUS CAPRINUS	18	1116.9
TOTALS 17	96	3802.5

TRANSECT 2 STATION 6 N TRAWL 77 WINTER
02/14/77 TIME: 2115 SAMPLE CODE: BCXC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PHYSICULUS FULVUS	1	7.8
HALIEUTICHTHYS ACULEATUS	1	8.0
PIKEA MEXICANA	1	15.7
ANCYLOPSETTA DILECTA	1	16.3
OGCOCEPHALUS SPECIES	2	27.1
PORICHTHYS POROSISSIMUS	2	44.4
SCORPAENA DISPAR	1	56.7
TRACHURUS LATHAMI	1	92.2
CYCLOPSETTA CHITTENDENI	1	133.4
UPENEUS PARVUS	3	157.2
PRIONOTUS PARALATUS	8	172.6
LUTJANUS CAMPECHANUS	2	199.5
SERRANUS ATROBRANCHUS	17	252.3
TRICHOPSETTA VENTRALIS	19	353.6
PRISTIPOMOIDES AQUILONARIS	7	582.7
STENOTOMUS CAPRINUS	20	1174.8
TOTALS 16	87	3294.3

TRANSECT 3 STATION 1 D TRAWL 77 WINTER
02/02/77 TIME: 915 SAMPLE CODE: BBKS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	6.8
CENTROPRISTIS PHILADELPHICA	1	13.6
PEPRILUS ALEPIDOTUS	1	26.5
SYACIUM GUNTERI	10	72.7
TOTALS 4	13	119.6

TRANSECT 3 STATION 1 N TRAWL 77 WINTER
02/02/77 TIME: 2325 SAMPLE CODE: BBKV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	3.5
HALIEUTICHTHYS ACULEATUS	2	5.0
SAURIDA BRASILIENSIS	1	5.0
SPHOEROIDES PARVUS	1	5.2
TRICHIURUS LEPTURUS	2	9.2
CYNOSCION ARENARIUS	3	13.1
OGCOCEPHALUS SPECIES	1	16.1
ARIUS FELIS	2	93.7
SYACIUM GUNTERI	13	94.4
DASYATIS SAYI	1	3320.0
TOTALS 10	27	3565.2

TRANSECT 3 STATION 2 D TRAWL 77 WINTER
02/02/77 TIME: 1405 SAMPLE CODE: BBMW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHOPSETTA VENTRALIS	1	8.5
PRISTIPOMOIDES AQUILONARIS	3	14.3
SYNODUS POEYI	3	16.6
STENOTOMUS CAPRINUS	1	17.5
TRACHURUS LATHAMI	1	44.2
SAURIDA BRASILIENSIS	15	56.8
CYCLOPSETTA CHITTENDENI	1	138.5
PRIONOTUS STEARNSI	29	196.3
SERRANUS ATROBRANCHUS	23	266.7
TOTALS 9	77	759.4

TRANSECT 3 STATION 2 N TRAWL 77 WINTER
02/02/77 TIME: 1925 SAMPLE CODE: BBMZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
OGCOCEPHALUS SPECIES	1	7.0
PRIONOTUS STEARNSI	4	38.9
STENOTOMUS CAPRINUS	1	79.6
CYCLOPSETTA CHITTENDENI	1	98.8
SYNODUS FOETENS	1	267.2
TOTALS 5	8	491.5

TRANSECT 3 STATION 3 D TRAWL 77 MARCH
03/04/77 TIME: 1645 SAMPLE CODE: BBOO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	11.8
SYACIUM GUNTERI	1	18.0
UPENEUS PARVUS	1	18.0
EQUETUS ACUMINATUS	1	54.0
SERRANUS ATROBRANCHUS	4	83.8
TRICHOPSETTA VENTRALIS	3	88.6
HEMANTHIAS VIVANUS	3	131.5
CAULOLATILUS INTERMEDIUS	2	142.1
SYNODUS FOETENS	1	153.5
PRIONOTUS PARALATUS	6	195.9
PRISTIPOMOIDES AQUILONARIS	66	3297.8
TOTALS 11	89	4195.0

TRANSECT 3 STATION 3 N TRAWL 77 MARCH
03/04/77 TIME: 2025 SAMPLE CODE: BBOS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
KATHETOSTOMA ALBIGUTTA	1	25.8
UPENEUS PARVUS	1	44.0
OGCOCEPHALUS SPECIES	3	52.6
TRACHURUS LATHAMI	1	57.1
TRICHOPSETTA VENTRALIS	10	214.8
CENTROPRISTIS PHILADELPHICA	2	239.0
SYNODUS FOETENS	1	308.0
PRIONOTUS PARALATUS	16	497.9
SERRANUS ATROBRANCHUS	29	608.2
PRISTIPOMOIDES AQUILONARIS	11	948.5
TOTALS 10	75	2995.9

TRANSECT 3 STATION 4 D TRAWL 77 WINTER
02/01/77 TIME: 1645 SAMPLE CODE: BBPZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS ALEPIDOTUS	1	4.5
PEPRILUS BURTI	2	4.8
CYNOSCION NOTHUS	3	6.2
ANCHOA HEPSETUS	5	7.7
TRICHIURUS LEPTURUS	2	9.6
SYACIUM GUNTERI	2	25.8
SYMPHURUS PLAGIUSA	1	31.2
MENTICIRRHUS AMERICANUS	4	208.2
TOTALS 8	20	298.0

TRANSECT 3 STATION 4 N TRAWL 77 WINTER
02/01/77 TIME: 1900 SAMPLE CODE: BBQD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS BURTI	1	5.0
STELLIFER LANCEOLATUS	1	5.5
TRICHIURUS LEPTURUS	1	6.5
CYNOSCION NOTHUS	6	11.2
ANCHOA MITCHILLI	12	17.7
LARIMUS FASCIATUS	4	21.2
MICROPOGON UNDULATUS	2	28.3
MENTICIRRHUS AMERICANUS	1	38.1
SYACIUM GUNTERI	7	81.7
TOTALS 9	35	215.2

TRANSECT 3 STATION 5 D TRAWL 77 WINTER
02/02/77 TIME: 1100 SAMPLE CODE: BBRI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BOLLMANNIA COMMUNIS	1	2.3
SYNODUS POEYI	1	3.2
ENGYOPHRYS SENTA	1	4.6
PEPRILUS BURTI	1	13.3
PRIONOTUS STEARNSI	2	16.2
SAURIDA BRASILIENSIS	5	23.6
SPHOEROIDES PARVUS	6	23.9
SYACIUM GUNTERI	3	53.2
TOTALS 8	20	140.3

TRANSECT 3 STATION 5 N TRAWL 77 WINTER
02/01/77 TIME: 2130 SAMPLE CODE: BBRM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	2.5
ANTENNARIUS RADIOSUS	2	2.5
CYCLOPSETTA CHITTENDENI	1	4.0
SYNODUS POEYI	2	7.7
TRICHIURUS LEPTURUS	3	10.6
PEPRILUS BURTI	1	11.4
DIPLECTRUM BIVITTATUM	2	16.7
SYACIUM GUNTERI	3	22.3
SAURIDA BRASILIENSIS	4	23.2
CYNOSCION ARENARIUS	1	65.3
TOTALS 10	20	166.2

TRANSECT 3 STATION 6 D TRAWL 77 MARCH
03/04/77 TIME: 1730 SAMPLE CODE: BBSR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	2	12.0
SERRANUS ATROBRANCHUS	7	133.1
TRICHOPSETTA VENTRALIS	7	149.6
PRIONOTUS STEARNSI	19	193.8
PRIONOTUS PARALATUS	7	197.9
PONTINUS LONGISPINIS	6	350.1
SYNODUS FOETENS	3	785.8
PRISTIPOMOIDES AQUILONARIS	8	810.8
TOTALS 8	59	2633.1

TRANSECT 3 STATION 6 N TRAWL 77 MARCH
03/04/77 TIME: 1930 SAMPLE CODE: BBSV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CONGRINA FLAVA	1	68.7
PONTINUS LONGISPINIS	3	123.7
TRICHOPSETTA VENTRALIS	8	222.8
PRIONOTUS PARALATUS	7	252.7
PRISTIPOMOIDES AQUILONARIS	13	1184.3
TOTALS 5	32	1852.2

TRANSECT 4 STATION 1 D TRAWL 77 WINTER
01/30/77 TIME: 1400 SAMPLE CODE: BBUW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS BURTI	2	7.9
MENTICIRRHUS AMERICANUS	1	92.1
TOTALS 2	3	100.0

TRANSECT 4 STATION 1 N TRAWL 77 WINTER
01/30/77 TIME: 2015 SAMPLE CODE: BBVA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BOLLMANNIA COMMUNIS	1	3.0
CENTROPRISTIS PHILADELPHICA	1	9.6
CYNOSCION NOTHUS	3	11.8
SAURIDA BRASILIENSIS	1	12.0
ETROPUS CROSSOTUS	1	13.9
PEPRILUS BURTI	3	16.0
TRICHIURUS LEPTURUS	7	46.8
NARCINE BRASILIENSIS	1	101.0
TOTALS 8	18	214.1

TRANSECT 4 STATION 2 D TRAWL 77 WINTER
01/29/77 TIME: 945 SAMPLE CODE: BBXC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	2	6.8
PRIONOTUS STEARNSI	1	12.1
SYACIUM GUNTERI	2	21.6
TRACHURUS LATHAMI	1	23.7
CENTROPRISTIS PHILADELPHICA	1	30.3
SERRANUS ATROBRANCHUS	4	50.3
STENOTOMUS CAPRINUS	2	52.4
PRIACANTHUS ARENATUS	1	75.6
PRISTIPOMOIDES AQUILONARIS	46	207.6
SYNODUS FOETENS	2	304.4
TOTALS 10	62	784.8

TRANSECT 4 STATION 2 N TRAWL 77 WINTER
01/29/77 TIME: 2355 SAMPLE CODE: BBXG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	3.0
PORICHTHYS POROSISSIMUS	4	15.4
PRISTIPOMOIDES AQUILONARIS	5	22.0
MICROPOGON UNDULATUS	1	45.0
STENOTOMUS CAPRINUS	2	80.8
PRIACANTHUS ARENATUS	1	103.8
TOTALS 6	14	270.0

TRANSECT 4 STATION 3 D TRAWL 77 WINTER
01/28/77 TIME: 1400 SAMPLE CODE: BBZH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	3	64.8
TOTALS 1	3	64.8

TRANSECT 4 STATION 3 N TRAWL 77 WINTER
01/28/77 TIME: 1915 SAMPLE CODE: BBZL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CAULOLATILUS INTERMEDIUS	1	35.0
SPHOEROIDES DORSALIS	1	51.8
TRACHURUS LATHAMI	1	53.0
PRIONOTUS RUBIO	1	60.1
STENOTOMUS CAPRINUS	3	92.0
UPENEUS PARVUS	4	124.9
SERRANUS ATROBRANCHUS	12	151.4
PRIACANTHUS ARENATUS	3	342.5
TOTALS 8	26	910.7

TRANSECT 4 STATION 4 D TRAWL 77 WINTER
01/30/77 TIME: 1230 SAMPLE CODE: BCBD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	3.0
PEPRILUS ALEPIDOTUS	1	14.6
PEPRILUS BURTI	4	18.1
MENTICIRRHUS AMERICANUS	2	105.6
TOTALS 4	8	141.3

TRANSECT 4 STATION 4 N TRAWL 77 WINTER
01/30/77 TIME: 2110 SAMPLE CODE: BCBH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LARIMUS FASCIATUS	2	3.9
BREVOORTIA PATRONUS	1	23.2
PEPRILUS ALEPIDOTUS	4	29.9
PEPRILUS BURTI	5	30.5
MICROPOGON UNDULATUS	1	44.5
TRICHIURUS LEPTURUS	9	71.5
TOTALS 6	22	203.5

TRANSECT 4 STATION 5 D TRAWL 77 WINTER
01/30/77 TIME: 1650 SAMPLE CODE: BCCX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION ARENARIUS	1	9.6
SERRANUS ATROBRANCHUS	1	9.6
SAURIDA BRASILIENSIS	5	21.6
DIPLECTRUM BIVITTATUM	2	23.7
TRICHIURUS LEPTURUS	1	28.2
CENTROPRISTIS PHILADELPHICA	1	29.9
SYACIUM GUNTERI	3	36.1
SYNODUS FOETENS	2	51.1
PRIONOTUS STEARNSI	9	61.2
SPHOEROIDES PARVUS	25	110.4
TOTALS 10	50	381.4

TRANSECT 4 STATION 5 N TRAWL 77 WINTER
01/30/77 TIME: 1850 SAMPLE CODE: BCDB
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	3.0
BOLLMANNIA COMMUNIS	1	4.2
HALIEUTICHTHYS ACULEATUS	1	6.5
LUTJANUS CAMPECHANUS	1	7.1
PRIONOTUS STEARNSI	1	10.2
SPHOEROIDES PARVUS	9	42.6
SYACIUM GUNTERI	5	121.3
TOTALS 7	19	194.9

TRANSECT 4 STATION 6 D TRAWL 77 WINTER
01/28/77 TIME: 1155 SAMPLE CODE: BCET
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
RHOMBOPLITES AURORUBENS	1	4.0
SERRANUS ATROBRANCHUS	2	16.5
PRISTIPOMOIDES AQUILONARIS	3	23.1
UPENEUS PARVUS	1	27.9
PRIACANTHUS ARENATUS	1	74.2
STENOTOMUS CAPRINUS	5	142.8
SYNODUS FOETENS	2	381.6
SELAR CRUMENOPHTHALMUS	15	482.4
TOTALS 8	30	1152.5

TRANSECT 4 STATION 6 N TRAWL 77 WINTER
01/28/77 TIME: 2250 SAMPLE CODE: BCEX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UPENEUS PARVUS	1	33.0
PRIONOTUS RUBIO	1	70.6
PRIACANTHUS ARENATUS	1	122.5
STENOTOMUS CAPRINUS	10	441.9
TOTALS 4	13	668.0

TRANSECT 4 STATION 7 D TRAWL 77 WINTER
01/28/77 TIME: 1700 SAMPLE CODE: BCGP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UPENEUS PARVUS	1	27.1
CAULOLATILUS INTERMEDIUS	1	47.1
EQUETUS ACUMINATUS	1	50.4
SCORPAENA BRASILIENSIS	1	71.7
SERRANUS ATROBRANCHUS	8	175.4
CENTROPRISTIS PHILADELPHICA	1	215.9
PRISTIPOMOIDES AQUILONARIS	8	722.6
TOTALS 7	21	1310.2

TRANSECT 4 STATION 7 N TRAWL 77 WINTER
01/28/77 TIME: 2025 SAMPLE CODE: BCGT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	2	45.6
TOTALS 1	2	45.6

TRANSECT 02 STATION 03 N TRAWL 77 MARCH
03/11/77 TIME: 0220 SAMPLE CODE: BDQH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	2	34.4
ANCYLOPSETTA DILECTA	1	54.0
TRICHOPSETTA VENTRALIS	4	75.0
STENOTOMUS CAPRINUS	4	209.0
TOTALS 4	11	372.4

TRANSECT 02 STATION 03 N TRAWL 77 MARCH
03/11/77 TIME: 0150 SAMPLE CODE: BDQE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	2	8.2
ANCYLOPSETTA DILECTA	1	25.0
PORICHTHYS POROSISSIMUS	3	26.1
ANTENNARIUS RADIOSUS	1	28.1
GYMNACHIRUS TEXAE	2	34.6
PRIONOTUS RUBIO	1	68.4
KATHETOSTOMA ALBIGUTTA	2	70.5
OGCOCEPHALUS SPECIES	4	76.2
STENOTOMUS CAPRINUS	3	83.3
CENTROPRISTIS PHILADELPHICA	1	106.0
PRIONOTUS STEARNSI	4	115.9
PRISTIPOMOIDES AQUILONARIS	2	138.6
SERRANUS ATROBRANCHUS	8	151.4
SYNODUS FOETENS	1	225.0
TRICHOPSETTA VENTRALIS	11	264.1
TOTALS 15	46	1421.4

TRANSECT 02 STATION 03 N TRAWL 77 MARCH
03/11/77 TIME: 0115 SAMPLE CODE: BDQB
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	8.6
HALIEUTICHTHYS ACULEATUS	1	9.3
SAURIDA BRASILIENSIS	1	13.2
PARALICHTHYS ALBIGUTTA	1	28.0
SERRANUS ATROBRANCHUS	3	62.0
OGCOCEPHALUS SPECIES	4	68.1
GYMNACHIRUS TEXAE	4	82.5
SYNODUS FOETENS	1	106.2
ANTENNARIUS RADIOSUS	4	112.6
CENTROPRISTIS PHILADELPHICA	1	127.0
PRIONOTUS RUBIO	3	130.9
PRIONOTUS PARALATUS	5	148.4
KATHETOSTOMA ALBIGUTTA	5	180.0
TRICHOPSETTA VENTRALIS	6	181.4
STENOTOMUS CAPRINUS	3	190.9
CYCLOPSETTA CHITTENDENI	1	210.0
TOTALS 16	44	1659.1

TRANSECT 02 STATION 02 N TRAWL 77 MARCH
03/10/77 TIME: 2145 SAMPLE CODE: BDPO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	2.9
BOLLMANNIA COMMUNIS	1	4.8
PORICHTHYS POROSISSIMUS	1	5.5
DIPLECTRUM BIVITTATUM	1	22.9
SERRANUS ATROBRANCHUS	2	30.4
EQUETUS ACUMINATUS	1	37.8
CENTROPRISTIS PHILADELPHICA	1	68.0
LAGODON RHOMBOIDES	3	86.4
CYNOSCION ARENARIUS	1	92.0
OGCOCEPHALUS SPECIES	3	101.5
CHAETODIPTERUS FABER	1	134.5
CYCLOPSETTA CHITTENDENI	5	229.6
SYACIUM GUNTERI	13	292.5
LUTJANUS CAMPECHANUS	17	4267.8
TOTALS 14	51	5376.6

TRANSECT 02 STATION 02 N TRAWL 77 MARCH
03/10/77 TIME: 2120 SAMPLE CODE: BDPL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	1	1.8
SCORPAENA CALCARTA	1	7.2
SPHOEROIDES PARVUS	1	8.8
PRISTIPOMOIDES AQUILONARIS	1	10.5
SERRANUS ATROBRANCHUS	1	13.0
ENGYOPHRYS SENTA	2	13.4
OGCOCEPHALUS SPECIES	1	15.6
CHLOROSCOMBRUS CHRYSURUS	1	17.2
CYCLOPSETTA CHITTENDENI	1	21.5
LAGODON RHOMBOIDES	3	90.0
CENTROPRISTIS PHILADELPHICA	1	96.2
SYNODUS FOETENS	1	101.4
SYACIUM GUNTERI	11	306.1
TOTALS 13	26	702.7

TRANSECT 02 STATION 02 N TRAWL 77 MARCH
03/10/77 TIME: 2050 SAMPLE CODE: BDPI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	5.4
SERRANUS ATROBRANCHUS	1	14.0
LUTJANUS CAMPECHANUS	1	26.5
STENOTOMUS CAPRINUS	1	26.8
PRIONOTUS RUBIO	2	64.9
SYNODUS FOETENS	2	282.5
ARIUS FELIS	1	329.9
SYACIUM GUNTERI	29	723.0
TOTALS 8	38	1473.0

TRANSECT 2 STATION 1 N TRAWL 77 MARCH
03/15/77 TIME: 500 SAMPLE CODE: BDOY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	2.2
ANTENNARIUS RADIOSUS	3	6.8
HALIEUTICHTHYS ACULEATUS	1	7.0
CITHARICHTHYS SPILOPTERUS	1	11.0
TRICHIURUS LEPTURUS	1	17.3
SYACIUM GUNTERI	5	64.6
UROPHYCIS FLORIDANUS	2	86.4
CYNOSCION ARENARIUS	23	166.1
TOTALS 8	37	361.4

TRANSECT 2 STATION 1 N TRAWL 77 MARCH
03/15/77 TIME: 435 SAMPLE CODE: BDOV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	1.3
ANTENNARIUS RADIOSUS	2	4.1
HALIEUTICHTHYS ACULEATUS	2	7.5
TRICHIURUS LEPTURUS	1	10.0
UROPHYCIS FLORIDANUS	3	28.9
ETROPUS CROSSOTUS	1	32.5
SYACIUM GUNTERI	5	50.5
LEPOPHIDIUM GRAELLSI	2	56.5
CYNOSCION ARENARIUS	21	334.6
TOTALS 9	38	525.9

TRANSECT 2 STATION 1 N TRAWL 77 MARCH
03/15/77 TIME: 410 SAMPLE CODE: BDOS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	1	2.1
UROPHYCIS CIRRATUS	1	3.9
HALIEUTICHTHYS ACULEATUS	1	6.1
TRICHIURUS LEPTURUS	1	8.3
LEPOPHIDIUM GRAELLSI	1	48.9
MICROPOGON UNDULATUS	2	74.5
SYACIUM GUNTERI	5	74.6
UROPHYCIS FLORIDANUS	2	89.5
CYNOSCION NOTHUS	19	106.9
CYNOSCION ARENARIUS	2	133.3
TOTALS 10	35	548.1

TRANSECT 2 STATION 1 N TRAWL 77 APRIL
04/17/77 TIME: 1950 SAMPLE CODE: BGKM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	3.8
OGCOCEPHALUS SPECIES	1	4.6
ANTENNARIUS RADIOSUS	3	8.2
HALIEUTICHTHYS ACULEATUS	3	11.4
TRICHIURUS LEPTURUS	1	12.7
SYACIUM GUNTERI	2	30.5
UROPHYCIS FLORIDANUS	2	69.5
MENTICIRRHUS FOCALINGER	1	134.1
CYNOSCION NOTHUS	34	215.8
CYNOSCION ARENARIUS	4	281.4
PEPRILUS BURTI	34	340.8
TOTALS 11	86	1112.8

TRANSECT 2 STATION 1 N TRAWL 77 APRIL
04/17/77 TIME: 2010 SAMPLE CODE: BGKP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA MITCHILLI	1	2.2
ANTENNARIUS RADIOSUS	1	2.3
MICROPOGON UNDULATUS	2	3.6
HALIEUTICHTHYS ACULEATUS	2	5.2
TRICHIURUS LEPTURUS	1	6.9
BOLLMANNIA COMMUNIS	2	11.6
UROPHYCIS CIRRATUS	8	36.1
UROPHYCIS FLORIDANUS	2	52.2
SYACIUM GUNTERI	5	78.2
PEPRILUS BURTI	13	117.3
CYNOSCION NOTHUS	34	310.3
CYNOSCION ARENARIUS	3	473.0
TOTALS 12	74	1098.9

TRANSECT 2 STATION 1 N TRAWL 77 APRIL
04/17/77 TIME: 2030 SAMPLE CODE: BGKS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS RUBIO	1	.8
MICROPOGON UNDULATUS	4	2.0
HALIEUTICHTHYS ACULEATUS	1	2.0
OGCOCEPHALUS SPECIES	1	4.2
ANTENNARIUS RADIOSUS	2	6.6
TRICHIURUS LEPTURUS	1	8.3
UROPHYCIS CIRRATUS	2	11.9
ANCHOA HEPSETUS	1	17.4
PORICHTHYS POROSISSIMUS	1	20.5
UROPHYCIS FLORIDANUS	1	22.4
SYACIUM GUNTERI	2	27.0
LARIMUS FASCIATUS	1	47.1
CYNOSCION NOTHUS	26	149.8
PEPRILUS BURTI	17	177.3
CYNOSCION ARENARIUS	4	292.2
TOTALS 15	65	789.5

TRANSECT 2 STATION 2 N TRAWL 77 APRIL
04/17/77 TIME: 2345 SAMPLE CODE: BGLG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS OPHRYAS	2	.9
BOLLMANNIA COMMUNIS	1	1.8
ANTENNARIUS RADIOSUS	1	2.4
PRIONOTUS STEARNSI	1	3.8
SYNODUS POEYI	1	5.9
LEPOPHIDIUM GRAELLSI	1	6.1
HOPLUNNIS MACRURUS	1	8.9
ENGYOPHRYS SENTA	2	10.4
PORICHTHYS POROSISSIMUS	2	13.1
OGCOCEPHALUS SPECIES	1	19.2
PRIONOTUS ROSEUS	2	69.3
CENTROPRISTIS PHILADELPHICA	2	90.8
SERRANUS ATROBRANCHUS	12	163.8
LEIOSTOMUS XANTHURUS	2	173.9
UROPHYCIS FLORIDANUS	3	176.1
SYACIUM GUNTERI	11	198.0
SYNODUS FOETENS	2	254.8
STENOTOMUS CAPRINUS	6	329.1
CYCLOPSETTA CHITTENDENI	4	503.7
TOTALS 19	57	2032.0

TRANSECT 2 STATION 2 N TRAWL 77 APRIL
04/17/77 TIME: 15 SAMPLE CODE: BGLJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	2	4.4
ENGYOPHRYS SENTA	1	5.1
PORICHTHYS POROSISSIMUS	1	6.1
CYCLOPSETTA CHITTENDENI	1	10.6
PEPRILUS BURTI	1	11.8
LUTJANUS CAMPECHANUS	1	13.5
OGCOCEPHALUS SPECIES	1	14.9
LEPOPHIDIUM GRAELLSI	1	36.0
HOPLUNNIS MACRURUS	2	43.2
SYACIUM GUNTERI	2	46.8
LAGODON RHOMBOIDES	2	66.5
UROPHYCIS CIRRATUS	2	71.1
LEIOSTOMUS XANTHURUS	1	87.6
STENOTOMUS CAPRINUS	2	114.4
PRIONOTUS ROSEUS	4	163.4
SERRANUS ATROBRANCHUS	14	187.1
SYNODUS FOETENS	2	257.6
CENTROPRISTIS PHILADELPHICA	5	352.5
TOTALS 18	45	1492.6

TRANSECT 2 STATION 3 N TRAWL 77 APRIL
04/20/77 TIME: 2330 SAMPLE CODE: BGLX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
OGCOCEPHALUS SPECIES	3	39.0
TRACHURUS LATHAMI	1	66.5
DECODON PUELLARIS	1	79.7
CAULOLATILUS INTERMEDIUS	1	114.2
STENOTOMUS CAPRINUS	3	189.9
SERRANUS ATROBRANCHUS	11	237.6
PONTINUS LONGISPINIS	10	304.5
TRICHOPSETTA VENTRALIS	16	335.1
PRIONOTUS PARALATUS	12	378.6
BROTULA BARBATA	1	960.0
PRISTIPOMOIDES AQUILONARIS	28	3276.4
TOTALS 11	87	5981.5

TRANSECT 2 STATION 3 N TRAWL 77 APRIL
04/21/77 TIME: 0 SAMPLE CODE: BGMA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS TENUIS	1	4.0
PHYSICULUS FULVUS	1	6.6
UPENEUS PARVUS	1	35.3
TRACHURUS LATHAMI	1	40.0
ANCYLOPSETTA DILECTA	1	64.1
TRICHOPSETTA VENTRALIS	12	267.2
SERRANUS ATROBRANCHUS	11	318.1
PONTINUS LONGISPINIS	10	335.0
STENOTOMUS CAPRINUS	6	366.7
PRIONOTUS PARALATUS	17	502.4
PRISTIPOMOIDES AQUILONARIS	22	1630.5
TOTALS 11	83	3569.9

TRANSECT 2 STATION 3 N TRAWL 77 APRIL
04/20/77 TIME: 2250 SAMPLE CODE: BGLU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	8.9
HEMANTHIAS VIVANUS	1	17.0
ANCYLOPSETTA DILECTA	1	30.2
EQUETUS ACUMINATUS	1	87.0
TRACHURUS LATHAMI	2	99.1
PONTINUS LONGISPINIS	4	101.1
TRICHOPSETTA VENTRALIS	12	185.7
STENOTOMUS CAPRINUS	6	353.6
SERRANUS ATROBRANCHUS	21	425.1
PRIONOTUS PARALATUS	19	517.7
PRISTIPOMOIDES AQUILONARIS	9	873.4
TOTALS 11	77	2698.8

TRANSECT 2 STATION 2 N TRAWL 77 APRIL
04/17/77 TIME: 2320 SAMPLE CODE: BGLD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	2	2.1
PORICHTHYS POROSISSIMUS	1	4.7
OGCOCEPHALUS SPECIES	1	14.6
ENGYOPHRYS SENTA	2	14.8
BOLLMANNIA COMMUNIS	3	19.1
HOPLUNNIS MACRURUS	1	20.0
UROPHYCIS FLORIDANUS	1	27.0
LAGODON RHOMBOIDES	1	28.7
SYACIUM GUNTERI	2	45.7
LUTJANUS CAMPECHANUS	2	55.9
PRIONOTUS ROSEUS	2	60.0
LEIOSTOMUS XANTHURUS	1	95.7
SERRANUS ATROBRANCHUS	10	119.8
STENOTOMUS CAPRINUS	2	133.7
CENTROPRISTIS PHILADELPHICA	2	173.3
TOTALS 15	33	815.1

TRANSECT 1 STATION 1 D TRAWL 77 SPRING
05/31/77 TIME: 1259 SAMPLE CODE: BGWR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PHYSICULUS FULVUS	1	2.0
LAGOCEPHALUS LAEVIGATUS	1	2.2
LUTJANUS CAMPECHANUS	1	17.3
BREVOORTIA PATRONUS	1	24.5
LEIOSTOMUS XANTHURUS	2	30.0
MICROPOGON UNDULATUS	8	84.2
VOMER SETAPINNIS	2	96.0
TRICHIURUS LEPTURUS	5	149.5
SYNODUS FOETENS	4	157.8
POLYDACTYLUS OCTONEMUS	23	337.0
ANCHOA HEPSETUS	32	429.9
CYNOSCION NOTHUS	28	771.7
HAKENGULA PENSACOLAE	44	870.7
CHLOROSCOMBRUS CHRYSURUS	285	4806.2
PEPRILUS BURTI	548	5922.3
TRACHURUS LATHAMI	463	7032.0
TOTALS 16	1448	20733.3

TRANSECT 1 STATION 1 N TRAWL 77 SPRING
05/31/77 TIME: 2045 SAMPLE CODE: BGWV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCYLOPSETTA QUADROCELLATA	1	3.2
LEPOPHIDIUM GRAELLSI	1	7.2
SYACIUM GUNTERI	1	12.4
CYNOSCION ARENARIUS	5	13.1
PRIONOTUS RUBIO	4	20.7
PEPRILUS BURTI	2	25.3
CHLOROSCOMBRUS CHRYSURUS	1	36.0
UPENEUS PARVUS	4	53.8
PORICHTHYS POROSISSIMUS	5	55.3
SYNODUS FOETENS	1	59.6
MICROPOGON UNDULATUS	8	108.2
ARIUS FELIS	1	146.4
CYNOSCION NOTHUS	5	421.6
POLYDACTYLUS OCTONEMUS	80	1050.0
TOTALS 14	119	2012.8

TRANSECT 1 STATION 2 D TRAWL 77 SPRING
05/31/77 TIME: 1431 SAMPLE CODE: BGYS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	8.5
LAGOCEPHALUS LAEVIGATUS	1	36.1
SERRANUS ATROBRANCHUS	4	41.6
SYACIUM GUNTERI	2	54.4
PRISTIPOMOIDES AQUILONARIS	3	58.8
SCOMBER JAPONICUS	18	160.0
SYNODUS FOETENS	8	387.1
ETRUMEUS TERES	83	701.4
TRACHURUS LATHAMI	414	3114.8
PEPRILUS BURTI	345	3379.0
TOTALS 10	879	7941.7

TRANSECT 1 STATION 2 N TRAWL 77 SPRING
05/31/77 TIME: 2307 SAMPLE CODE: BGYW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	2.0
PRIACANTHUS ARENATUS	1	9.2
ENGYOPHRYS SENTA	2	12.0
ANCYLOPSETTA DILECTA	2	13.7
UROPHYCIS CIRRATUS	1	13.7
CAULOLATILUS INTERMEDIUS	1	13.8
PEPRILUS BURTI	2	18.5
PORICHTHYS POROSISSIMUS	3	18.9
UPENEUS PARVUS	3	19.2
LEPOPHIDIUM GRAELLSI	3	35.1
PRIONOTUS PARALATUS	11	38.1
BOLLMANNIA COMMUNIS	7	42.5
SYNODUS POEYI	10	63.2
PRISTIPOMOIDES AQUILONARIS	3	75.7
SAURIDA BRASILIENSIS	7	95.3
CYNOSCION NOTHUS	1	137.5
SERRANUS ATROBRANCHUS	30	189.1
CYCLOPSETTA CHITTENDENI	1	193.4
CENTROPRISTIS PHILADELPHICA	13	193.5
SYACIUM GUNTERI	26	366.2
PRIONOTUS STEARNSI	45	436.7
TOTALS 21	173	1987.3

TRANSECT 1 STATION 3 D TRAWL 77 SPRING
06/01/77 TIME: 646 SAMPLE CODE: BHAW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS TENUIS	1	1.0
TRICHOPSETTA VENTRALIS	1	18.6
LEPOPHIDIUM GRAELLSI	1	30.2
BEMBROPS ANATIROSTRIS	1	37.0
PONTINUS LONGISPINIS	1	60.2
PRIONOTUS PARALATUS	3	156.7
SERRANUS ATROBRANCHUS	9	165.8
STENOTOMUS CAPRINUS	4	219.7
CAULOLATILUS INTERMEDIUS	4	274.9
SYNODUS FOETENS	2	536.8
TRACHURUS LATHAMI	101	1871.8
PRISTIPOMOIDES AQUILONARIS	28	2476.8
TOTALS 12	156	5849.5

TRANSECT 1 STATION 3 N TRAWL 77 SPRING
06/01/77 TIME: 330 SAMPLE CODE: BHAZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HEMANTHIAS VIVANUS	1	9.1
HOPLUNNIS TENUIS	2	11.0
UROPHYCIS CIRRATUS	2	23.1
TRICHOPSETTA VENTRALIS	3	30.7
LEPOPHIDIUM GRAELLSI	3	66.1
PRIONOTUS RUBIO	4	101.4
TRACHURUS LATHAMI	4	165.1
PONTINUS LONGISPINIS	10	305.6
STENOTOMUS CAPRINUS	15	778.2
PRISTIPOMOIDES AQUILONARIS	14	1159.3
SERRANUS ATROBRANCHUS	22	1963.1
TOTALS 11	80	4612.7

TRANSECT 1 STATION 4 D TRAWL 77 SPRING
05/31/77 TIME: 1535 SAMPLE CODE: BHCM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA MITCHILLI	2	5.6
ANCHOA HEPSETUS	6	13.2
STELLIFER LANCEOLATUS	1	24.3
MENTICIRRHUS AMERICANUS	1	34.9
CHLOROSCOMBRUS CHRYSURUS	3	47.9
OPISTHONEMA OGLINUM	1	58.3
LEIOSTOMUS XANTHURUS	7	232.1
TRICHIURUS LEPTURUS	21	446.6
POLYDACTYLUS OCTONEMUS	22	536.1
PEPRILUS BURTI	60	936.0
CYNOSCION NOTHUS	348	6305.9
BREVOORTIA PATRONUS	180	6367.0
MICROPOGON UNDULATUS	740	7287.2
TOTALS 13	1392	22295.1

TRANSECT 1 STATION 4 N TRAWL 77 SPRING
05/31/77 TIME: 2012 SAMPLE CODE: BHCQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CHILOMYCTERUS SCHOEPFI	1	4.1
PRIONOTUS TRIBULUS	4	26.0
BREVOORTIA GUNTERI	1	30.6
PORICHTHYS POROSISSIMUS	2	34.4
STELLIFER LANCEOLATUS	1	37.0
LEIOSTOMUS XANTHURUS	2	43.9
SYMPHURUS PLAGIUSA	2	52.2
PEPRILUS BURTI	3	57.4
OPISTHONEMA OGLINUM	1	63.2
CHLOROSCOMBRUS CHRYSURUS	8	123.6
MENTICIRRHUS AMERICANUS	1	142.1
CYNOSCION NOTHUS	6	234.6
MICROPOGON UNDULATUS	30	290.2
POLYDACTYLUS OCTONEMUS	61	834.9
TOTALS 14	123	1974.2

TRANSECT 1 STATION 5 D TRAWL 77 SPRING
06/01/77 TIME: 1140 SAMPLE CODE: BHEL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	6.0
HALIEUTICHTHYS ACULEATUS	1	7.0
TRACHURUS LATHAMI	5	45.3
SERRANUS ATROBRANCHUS	6	111.5
UPENEUS PARVUS	7	244.3
STENOTOMUS CAPRINUS	18	797.1
SYNODUS FOETENS	6	917.9
PRISTIPOMOIDES AQUILONARIS	9	1427.1
TOTALS 8	53	3556.2

TRANSECT 1 STATION 5 N TRAWL 77 SPRING
06/01/77 TIME: 118 SAMPLE CODE: BHEP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	10.0
CAULOLATILUS INTERMEDIUS	1	16.3
KATHETOSTOMA ALBIGUTTA	1	22.1
SAURIDA BRASILIENSIS	2	22.8
TRICHOPSETTA VENTRALIS	1	26.2
UPENEUS PARVUS	1	29.4
LEPOPHIDIUM GRAELLSI	1	43.1
SYNODUS POEYI	5	45.0
UROPHYCIS CIRRATUS	5	56.9
ANCYLOPSETTA DILECTA	1	57.0
PRIONOTUS STEARNSI	5	61.2
PRIONOTUS PARALATUS	9	64.7
SYNODUS FOETENS	1	117.2
PRIONOTUS RUBIO	3	158.2
STENOTOMUS CAPRINUS	5	194.8
CYCLOPSETTA CHITTENDENI	2	244.2
UROPHYCIS FLORIDANUS	3	286.9
PRISTIPOMOIDES AQUILONARIS	6	485.6
SERRANUS ATROBRANCHUS	30	779.8
CENTROPRISTIS PHILADELPHICA	9	893.1
MUSTELUS CANIS	1	3450.0
TOTALS 21	93	7064.5

TRANSECT 1 STATION 6 D TRAWL 77 SPRING
06/01/77 TIME: 925 SAMPLE CODE: BHGJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GOBIONELLUS HASTATUS	1	30.7
CAULOLATILUS INTERMEDIUS	1	44.9
STENOTOMUS CAPRINUS	2	144.0
PRISTIPOMOIDES AQUILONARIS	9	1111.7
TRACHURUS LATHAMI	149	1600.1
TOTALS 5	162	2931.4

TRANSECT 1 STATION 6 N TRAWL 77 SPRING
06/01/77 TIME: 220 SAMPLE CODE: BJXQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	5.0
PONTINUS LONGISPINIS	1	7.0
PRIONOTUS STEARNSI	2	15.2
SYACIUM GUNTERI	1	15.2
UROPHYCIS CIRRATUS	1	15.3
TRACHURUS LATHAMI	1	31.1
UPENEUS PARVUS	3	89.5
EQUETUS ACUMINATUS	2	101.5
CENTROPRISTIS PHILADELPHICA	4	313.7
SERRANUS ATROBRANCHUS	28	595.2
STENOTOMUS CAPRINUS	21	987.2
PRISTIPOMOIDES AQUILONARIS	9	1833.9
TOTALS 12	74	4009.8

TRANSECT 2 STATION 1 D TRAWL 77 SPRING
06/03/77 TIME: 110 SAMPLE CODE: BHIL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	7.3
UPENEUS PARVUS	1	13.2
SCOMBER JAPONICUS	1	15.6
STELLIFER LANCEOLATUS	1	16.2
SYACIUM GUNTERI	1	18.2
TRICHIURUS LEPTURUS	2	36.4
SERRANUS ATROBRANCHUS	2	41.6
VOMER SETAPINNIS	3	286.4
HARENGULA PENSACOLAE	31	420.8
ANCHOA HEPSETUS	29	501.8
CYNOSCION NOTHUS	41	713.0
TRACHURUS LATHAMI	394	5065.8
PEPRILUS BURTI	1419	15160.0
TOTALS 13	1926	22296.3

TRANSECT 2 STATION 1 D TRAWL 77 SPRING
06/03/77 TIME: 1401 SAMPLE CODE: BHIO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	7.1
SERRANUS ATROBRANCHUS	1	10.2
SYNODUS FOETENS	5	126.5
HARENGULA PENSACOLAE	7	139.3
CYNOSCION NOTHUS	17	223.4
ANCHOA HEPSETUS	23	473.1
TRACHURUS LATHAMI	124	1718.1
PEPRILUS BURTI	875	10036.3
TOTALS 8	1053	12734.0

TRANSECT 2 STATION 1 N TRAWL 77 SPRING
06/03/77 TIME: 11 SAMPLE CODE: BHJA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS LARVAL	2	1.3
PORICHTHYS POROSISSIMUS	1	11.6
MICROPOGON UNDULATUS	2	16.8
ETROPUS CROSSOTUS	2	21.3
DIPLECTRUM BIVITTATUM	2	30.1
STENOTOMUS CAPRINUS	5	46.0
ZENOPSIS OCELLATA	1	68.5
POLYDACTYLUS OCTONEMUS	7	102.1
SERRANUS ATROBRANCHUS	6	106.3
SYACIUM GUNTERI	8	125.5
UPENEUS PARVUS	14	135.1
PRISTIPOMOIDES AQUILONARIS	1	143.8
PEPRILUS BURTI	14	168.1
CENTROPRISTIS PHILADELPHICA	5	295.5
TRACHURUS LATHAMI	17	453.9
SYNODUS FOETENS	2	481.1
CYNOSCION NOTHUS	53	674.0
TOTALS 17	142	2881.0

TRANSECT 2 STATION 1 N TRAWL 77 SPRING
06/03/77 TIME: 33 SAMPLE CODE: BHJD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CENTROPRISTIS PHILADELPHICA	2	2.6
TRACHURUS LATHAMI	1	6.7
SYNODUS FOETENS	1	21.4
UPENEUS PARVUS	4	28.4
MICROPOGON UNDULATUS	3	49.9
LEPOPHIDIUM GRAELLSI	3	56.5
SYACIUM GUNTERI	9	125.8
CYNOSCION ARENARIUS	21	160.4
PEPRILUS BURTI	14	188.1
POLYDACTYLUS OCTONEMUS	22	342.6
CYNOSCION NOTHUS	26	488.5
TOTALS 11	106	1470.9

TRANSECT 2 STATION 1 N TRAWL 77 SPRING
06/03/77 TIME: 54 SAMPLE CODE: BHJG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS TRIBULUS	3	1.9
UPENEUS PARVUS	2	15.6
HARENGULA PENSACOLAE	1	35.7
TRACHURUS LATHAMI	3	39.1
LEPOPHIDIUM GRAELLSI	3	46.0
PORICHTHYS POROSISSIMUS	3	64.1
SYACIUM GUNTERI	9	105.9
CYNOSCION ARENARIUS	38	108.7
PEPRILUS BURTI	16	208.0
MICROPOGON UNDULATUS	24	231.1
POLYDACTYLUS OCTONEMUS	36	355.0
CYNOSCION NOTHUS	22	382.0
TOTALS 12	160	1593.1

TRANSECT 2 STATION 2 D TRAWL 77 SPRING
06/03/77 TIME: 815 SAMPLE CODE: BHLC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	16.7
PRISTIPOMOIDES AQUILONARIS	1	25.0
CENTROPRISTIS PHILADELPHICA	1	33.7
SYACIUM GUNTERI	1	35.2
PRIONOTUS STEARNSI	4	45.6
SAURIDA BRASILIENSIS	5	82.1
CYCLOPSETTA CHITTENDENI	1	153.1
SERRANUS ATROBRANCHUS	12	175.2
SYNODUS FOETENS	11	535.6
TRACHURUS LATHAMI	89	737.7
PEPRILUS BURTI	145	1866.2
TOTALS 11	271	3706.1

TRANSECT 2 STATION 2 D TRAWL 77 SPRING
06/03/77 TIME: 836 SAMPLE CODE: BHLF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	20.4
PRISTIPOMOIDES AQUILONARIS	1	25.3
SYACIUM GUNTERI	1	43.5
SERRANUS ATROBRANCHUS	10	161.6
TRACHURUS LATHAMI	68	621.6
SYNODUS FOETENS	10	657.1
PEPRILUS BURTI	89	1166.7
TOTALS 7	180	2696.2

TRANSECT 2 STATION 2 N TRAWL 77 SPRING
06/03/77 TIME: 2015 SAMPLE CODE: BHLJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BOLLMANNIA COMMUNIS	1	3.4
ETROPUS CROSSOTUS	1	4.6
SERRANUS ATROBRANCHUS	1	12.2
ANCYLOPSETTA DILECTA	3	17.9
UROPHYCIS FLORIDANUS	1	24.1
PEPRILUS BURTI	2	25.0
UROPHYCIS CIRRATUS	2	31.4
TRACHURUS LATHAMI	2	36.7
PRIONOTUS RUBIO	3	124.3
CYCLOPSETTA CHITTENDENI	2	181.8
CENTROPRISTIS PHILADELPHICA	3	210.7
SYACIUM GUNTERI	16	246.3
SYNODUS FOETENS	2	364.0
PARALICHTHYS LETHOSTIGMA	1	399.2
TOTALS 14	40	1681.6

TRANSECT 2 STATION 2 N TRAWL 77 SPRING
06/03/77 TIME: 2055 SAMPLE CODE: BHLM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	4	13.1
CONGRINA FLAVA	1	13.4
BOLLMANNIA COMMUNIS	3	16.8
SERRANUS ATROBRANCHUS	2	20.1
HOPLUNNIS TENUIS	1	36.2
SAURIDA BRASILIENSIS	10	68.2
PRIONOTUS PARALATUS	20	78.2
PRISTIPOMOIDES AQUILONARIS	3	80.6
UROPHYCIS CIRRATUS	7	99.9
SYACIUM GUNTERI	8	110.2
LEPOPHIDIUM GRAELLSI	5	146.1
CENTROPRISTIS PHILADELPHICA	5	147.5
UROPHYCIS FLORIDANUS	5	150.1
SYNODUS FOETENS	1	232.5
TOTALS 14	75	1212.9

TRANSECT 2 STATION 2 N TRAWL 77 SPRING
06/03/77 TIME: 2120 SAMPLE CODE: BHLP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	5.7
CAULOLATILUS INTERMEDIUS	1	9.4
PORICHTHYS POROSISSIMUS	2	13.7
BOLLMANNIA COMMUNIS	3	16.7
PRIONOTUS STEARNSI	7	20.2
ANCYLOPSETTA DILECTA	4	32.7
HOPLUNNIS MACRURUS	2	51.2
LUTJANUS CAMPECHANUS	1	54.5
LEPOPHIDIUM GRAELLSI	4	56.6
SAURIDA BRASILIENSIS	4	56.6
UROPHYCIS CIRRATUS	4	59.8
UROPHYCIS FLORIDANUS	3	85.5
SERRANUS ATROBRANCHUS	6	85.6
PRIONOTUS RUBIO	2	91.4
PRISTIPOMOIDES AQUILONARIS	4	102.0
SYNODUS POEYI	15	102.6
PRIONOTUS PARALATUS	38	129.1
CENTROPRISTIS PHILADELPHICA	8	167.6
SYACIUM GUNTERI	13	238.2
TOTALS 19	122	1379.1

TRANSECT 2 STATION 3 D TRAWL 77 SPRING
06/02/77 TIME: 1600 SAMPLE CODE: BHNT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	13.8
ANCYLOPSETTA DILECTA	1	19.2
BEMBROPS ANATIROSTRIS	1	84.1
HEMANTHIAS LEPTUS	3	86.2
UPENEUS PARVUS	4	86.2
PONTINUS LONGISPINIS	3	131.8
PRIONOTUS PARALATUS	5	178.8
SERRANUS ATROBRANCHUS	17	329.8
STENOTOMUS CAPRINUS	10	523.2
TRACHURUS LATHAMI	32	885.2
SYNODUS FOETENS	6	928.9
PRISTIPOMOIDES AQUILONARIS	32	2931.5
TOTALS 12	115	6198.7

TRANSECT 2 STATION 3 D TRAWL 77 SPRING
06/02/77 TIME: 1600 SAMPLE CODE: BHNS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BEMBROPS ANATIROSTRIS	1	9.8
SCOMBER JAPONICUS	1	18.3
ZENOPSIS OCELLATA	1	19.6
ANCYLOPSETTA QUADROCELLATA	1	29.6
PONTINUS LONGISPINIS	1	45.7
UPENEUS PARVUS	2	47.1
HEMANTHIAS VIVANUS	3	53.9
PRIONOTUS PARALATUS	6	169.3
DECODON PUELLARIS	2	242.1
SERRANUS ATROBRANCHUS	11	270.8
SYNODUS FOETENS	4	683.3
STENOTOMUS CAPRINUS	14	824.2
TRACHURUS LATHAMI	62	1727.6
PRISTIPOMOIDES AQUILONARIS	35	3095.3
TOTALS 14	144	7236.6

TRANSECT 2 STATION 3 N TRAWL 77 SPRING
06/02/77 TIME: 2014 SAMPLE CODE: BHOA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYACIUM GUNTERI	1	1.6
UPENEUS PARVUS	1	27.1
ANCYLOPSETTA DILECTA	1	37.1
UROPHYCIS CIRRATUS	4	69.4
HOPLUNNIS TENUIS	7	78.9
TRICHOPSETTA VENTRALIS	5	95.9
CAULOLATILUS INTERMEDIUS	1	96.2
EQUETUS ACUMINATUS	2	97.0
LAGODON RHOMBOIDES	1	99.0
SYNODUS FOETENS	1	131.9
PRIONOTUS PARALATUS	6	171.3
SERRANUS ATROBRANCHUS	12	228.7
TRACHURUS LATHAMI	6	237.6
PONTINUS LONGISPINIS	10	452.9
STENOTOMUS CAPRINUS	14	659.1
PRISTIPOMOIDES AQUILONARIS	23	2505.6
TOTALS 16	95	4989.3

TRANSECT 2 STATION 3 N TRAWL 77 SPRING
06/02/77 TIME: 2050 SAMPLE CODE: BHOD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	9.4
NEOBYTHITES GILLI	1	12.4
UPENEUS PARVUS	1	26.0
OGCOCEPHALUS SPECIES	2	26.3
UROPHYCIS CIRRATUS	2	31.4
HOPLUNNIS TENUIS	4	36.1
HEMANTHIAS LEPTUS	1	44.4
TRICHOPSETTA VENTRALIS	2	47.6
PRIONOTUS RUBIO	1	70.0
BEMBROPS ANATIROSTRIS	2	71.0
LEPOPHIDIUM GRAELLSI	2	78.2
UROPHYCIS FLORIDANUS	1	102.0
SYACIUM GUNTERI	7	102.6
TRACHURUS LATHAMI	3	117.6
CAULOLATILUS INTERMEDIUS	1	127.1
EQUETUS ACUMINATUS	3	136.0
PRIONOTUS PARALATUS	16	428.0
SYNODUS FOETENS	3	611.6
SERRANUS ATROBRANCHUS	33	649.0
PONTINUS LONGISPINIS	21	856.2
STENOTOMUS CAPRINUS	17	986.5
PRISTIPOMOIDES AQUILONARIS	39	2303.1
TOTALS 22	163	6872.5

TRANSECT 2 STATION 3 N TRAWL 77 SPRING
06/02/77 TIME: 2130 SAMPLE CODE: BHOG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS TENUIS	2	20.4
TRICHOPSETTA VENTRALIS	2	42.9
PONTINUS LONGISPINIS	1	49.2
CONGRINA FLAVA	1	78.5
PRIONOTUS PARALATUS	3	83.4
PEPRILUS BURTI	1	93.1
SERRANUS ATROBRANCHUS	7	139.2
TRACHURUS LATHAMI	4	148.2
PRISTIPOMOIDES AQUILONARIS	5	617.8
STENOTOMUS CAPRINUS	15	784.1
TOTALS 10	41	2056.8

TRANSECT 2 STATION 4 D TRAWL 77 SPRING
06/03/77 TIME: 1058 SAMPLE CODE: BHPY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	8.4
UPENEUS PARVUS	2	9.8
PEPRILUS BURTI	2	19.3
TRICHIURUS LEPTURUS	1	28.0
TRACHURUS LATHAMI	6	36.9
SYACIUM GUNTERI	2	42.2
LUTJANUS CAMPECHANUS	1	56.2
SYNODUS FOETENS	2	111.5
DIPLECTRUM BIVITTATUM	6	130.7
TOTALS 9	23	443.0

TRANSECT 2 STATION 4 D TRAWL 77 SPRING
06/03/77 TIME: 1123 SAMPLE CODE: BHQB
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	2.6
UPENEUS PARVUS	1	3.0
TRACHURUS LATHAMI	2	12.1
SERRANUS ATROBRANCHUS	3	16.1
ANCHOA HEPSETUS	1	25.0
SAURIDA BRASILIENSIS	3	31.7
SYNODUS FOETENS	1	33.2
TRICHIURUS LEPTURUS	2	39.9
DIPLECTRUM BIVITTATUM	8	168.6
PEPRILUS BURTI	62	636.1
TOTALS 10	84	968.3

TRANSECT 2 STATION 4 N TRAWL 77 SPRING
06/03/77 TIME: 2214 SAMPLE CODE: BHQF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	3.3
SPHOEROIDES PARVUS	1	4.5
ETROPUS CROSSOTUS	1	5.0
UPENEUS PARVUS	2	8.7
PRIONOTUS STEARNSI	1	19.0
SAURIDA BRASILIENSIS	4	38.8
SYACIUM GUNTERI	2	45.9
RYPTICUS SAPONACEUS	1	48.2
PRISTIPOMOIDES AQUILONARIS	2	52.3
PRIONOTUS PARALATUS	14	53.4
TOTALS 10	32	279.1

TRANSECT 2 STATION 4 N TRAWL 77 SPRING
06/03/77 TIME: 2235 SAMPLE CODE: BHQI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BREGMACEROS ATLANTICUS	1	1.0
PORICHTHYS POROSISSIMUS	1	5.7
PRIONOTUS STEARNSI	1	10.3
LEPOPHIDIUM GRAELLSI	3	23.5
ENGYOPHRYS SENTA	5	24.8
TRICHIURUS LEPTURUS	2	34.6
BOLLMANNIA COMMUNIS	6	40.3
PRIONOTUS PARALATUS	17	50.9
SYNODUS POEYI	9	64.6
UROPHYCIS CIRRATUS	5	65.7
PRISTIPOMOIDES AQUILONARIS	3	67.9
SAURIDA BRASILIENSIS	8	76.8
CENTROPRISTIS PHILADELPHICA	2	82.4
UPENEUS PARVUS	25	99.7
SYACIUM GUNTERI	11	109.5
CYNOSCION ARENARIUS	1	131.6
SYNODUS FOETENS	2	132.2
STENOTOMUS CAPRINUS	76	195.6
TOTALS 18	178	1217.1

TRANSECT 2 STATION 4 N TRAWL 77 SPRING
06/03/77 TIME: 2300 SAMPLE CODE: BHQL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BREGMACEROS ATLANTICUS	2	2.4
LEPOPHIDIUM GRAELLSI	1	5.6
LAGOCEPHALUS LAEVIGATUS	2	8.2
PRIONOTUS STEARNSI	3	13.7
PEPRILUS BURTI	2	19.9
PRIONOTUS PARALATUS	7	20.4
HOPLUNNIS MACRURUS	2	22.0
ENGYOPHRYS SENTA	5	23.5
UROPHYCIS CIRRATUS	2	24.5
HARENGULA PENSACOLAE	1	28.9
TRICHIURUS LEPTURUS	1	29.6
BOLLMANNIA COMMUNIS	6	30.5
SYNODUS POEYI	5	34.0
SAURIDA BRASILIENSIS	5	56.4
SYNODUS FOETENS	3	87.3
CYNOSCION ARENARIUS	1	96.2
SYACIUM GUNTERI	9	105.4
UPENEUS PARVUS	28	115.8
DIPLECTRUM BIVITTATUM	7	141.6
STENOTOMUS CAPRINUS	92	219.4
TOTALS 20	184	1085.3

TRANSECT 2 STATION 5 D TRAWL 77 SPRING
06/02/77 TIME: 1000 SAMPLE CODE: BHSC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	27.5
SERRANUS ATROBRANCHUS	5	76.2
VOMER SETAPINNIS	1	93.3
UPENEUS PARVUS	4	103.4
CENTROPRISTIS PHILADELPHICA	1	129.8
SYNODUS FOETENS	4	413.5
PRISTIPOMOIDES AQUILONARIS	9	668.7
PEPRILUS BURTI	84	942.5
TOTALS 8	109	2454.9

TRANSECT 2 STATION 5 D TRAWL 77 SPRING
06/02/77 TIME: 1029 SAMPLE CODE: BHSF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	29.5
TRACHURUS LATHAMI	275	365.5
PRISTIPOMOIDES AQUILONARIS	3	371.0
TOTALS 3	279	766.0

TRANSECT 2 STATION 5 N TRAWL 77 SPRING
06/03/77 TIME: 30 SAMPLE CODE: BHSJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	4.0
CAULOLATILUS INTERMEDIUS	1	7.2
UROPHYCIS CIRRATUS	1	13.2
STENOTOMUS CAPRINUS	1	22.6
TRACHURUS LATHAMI	1	29.5
PORICHTHYS POROSISSIMUS	3	30.7
TRICHOPSETTA VENTRALIS	2	47.0
LEPOPHIDIUM GRAELLSI	2	52.8
PRIONOTUS PARALATUS	2	59.7
PRIONOTUS STEARNSI	7	81.5
PRIONOTUS RUBIO	2	99.3
CENTROPRISTIS PHILADELPHICA	3	197.6
SERRANUS ATROBRANCHUS	14	231.7
SYNODUS FOETENS	3	385.8
PRISTIPOMOIDES AQUILONARIS	6	430.9
UPENEUS PARVUS	9	567.5
TOTALS 16	58	2261.0

TRANSECT 2 STATION 5 N TRAWL 77 SPRING
06/03/77 TIME: 100 SAMPLE CODE: BHSM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CALLIONYMUS AGASSIZI	1	3.2
CAULOLATILUS INTERMEDIUS	1	11.4
PORICHTHYS POROSISSIMUS	2	13.2
GYMNACHIRUS TEXAE	1	17.3
HOPLUNNIS MACRURUS	1	17.5
PRIONOTUS PARALATUS	4	20.8
LEPOPHIDIUM GRAELLSI	1	26.5
SYNODUS POEYI	5	27.6
TRACHURUS LATHAMI	1	31.4
TRICHOPSETTA VENTRALIS	3	46.7
PRIONOTUS STEARNSI	4	54.0
UROPHYCIS FLORIDANUS	1	65.1
UROPHYCIS CIRRATUS	4	69.0
CENTROPRISTIS PHILADELPHICA	1	126.4
UPENEUS PARVUS	5	143.3
STENOTOMUS CAPRINUS	6	245.8
PRISTIPOMOIDES AQUILONARIS	3	267.6
SERRANUS ATROBRANCHUS	21	347.9
SYNODUS FOETENS	3	582.7
TOTALS 19	68	2117.4

TRANSECT 2 STATION 5 N TRAWL 77 SPRING
06/03/77 TIME: 125 SAMPLE CODE: BHSP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CALLIONYMUS AGASSIZI	3	11.8
HOPLUNNIS MACRURUS	1	13.0
UROPHYCIS CIRRATUS	2	21.4
PRIONOTUS STEARNSI	2	22.9
SYNODUS POEYI	4	25.0
TRACHURUS LATHAMI	1	29.0
TRICHOPSETTA VENTRALIS	2	29.5
PORICHTHYS POROSISSIMUS	6	61.1
PRIONOTUS PARALATUS	2	71.2
SYNODUS FOETENS	1	82.1
LEPOPHIDIUM GRAELLSI	2	112.7
CENTROPRISTIS PHILADELPHICA	2	148.1
KATHETOSTOMA ALBIGUTTA	4	184.9
STENOTOMUS CAPRINUS	5	188.1
UPENEUS PARVUS	10	278.9
SERRANUS ATROBRANCHUS	21	354.0
TOTALS 16	68	1633.7

TRANSECT 2 STATION 6 D TRAWL 77 SPRING
06/02/77 TIME: 1235 SAMPLE CODE: BHUG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	2	29.5
UPENEUS PARVUS	2	38.9
SCOMBER JAPONICUS	2	53.9
CAULOLATILUS INTERMEDIUS	1	89.7
PRIACANTHUS ARENATUS	1	196.4
PRISTIPOMOIDES AQUILONARIS	10	1124.8
TRACHURUS LATHAMI	336	4472.3
TOTALS 7	354	6005.5

TRANSECT 2 STATION 6 D TRAWL 77 SPRING
06/02/77 TIME: 1310 SAMPLE CODE: BHUJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	16	223.6
TOTALS 1	16	223.6

TRANSECT 2 STATION 6 N TRAWL 77 SPRING
06/02/77 TIME: 2240 SAMPLE CODE: BHUN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
NEOBYTHITES GILLI	1	6.8
PHYSICULUS FULVUS	1	8.9
HOPLUNNIS MACRURUS	2	14.1
TRACHURUS LATHAMI	1	38.9
PRIONOTUS PARALATUS	2	47.9
UROPHYCIS CIRRATUS	3	57.3
UPENEUS PARVUS	3	82.8
CENTROPRISTIS PHILADELPHICA	1	84.8
PONTINUS LONGISPINIS	2	86.7
EQUETUS ACUMINATUS	1	125.7
TRICHOPSETTA VENTRALIS	9	131.9
CAULOLATILUS INTERMEDIUS	1	133.0
SYNODUS FOETENS	1	266.0
SERRANUS ATROBRANCHUS	23	410.1
STENOTOMUS CAPRINUS	15	807.6
PRISTIPOMOIDES AQUILONARIS	14	1307.7
TOTALS 16	80	3610.2

TRANSECT 2 STATION 6 N TRAWL 77 SPRING
06/02/77 TIME: 2307 SAMPLE CODE: BHUG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PONTINUS LONGISPINIS	1	1.0
PORICHTHYS POROSISSIMUS	1	5.4
SYNODUS POEYI	1	6.9
TRICHOPSETTA VENTRALIS	1	18.0
HOPLUNNIS MACRURUS	1	23.2
PRIONOTUS PARALATUS	1	33.3
UPENEUS PARVUS	2	52.9
EQUETUS ACUMINATUS	1	55.8
TRACHURUS LATHAMI	4	138.5
CENTROPRISTIS PHILADELPHICA	1	176.1
SERRANUS ATROBRANCHUS	24	427.5
PRISTIPOMOIDES AQUILONARIS	8	541.7
STENOTOMUS CAPRINUS	11	613.2
TOTALS 13	57	2093.5

TRANSECT 2 STATION 6 N TRAWL 77 SPRING
06/02/77 TIME: 2338 SAMPLE CODE: BHUT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CAULOLATILUS INTERMEDIUS	1	23.9
PONTINUS LONGISPINIS	2	26.4
PORICHTHYS POROSISSIMUS	2	27.7
HOPLUNNIS MACRURUS	2	28.7
LEPOPHIDIUM GRAELLSI	1	32.9
PRIONOTUS PARALATUS	1	50.0
TRICHOPSETTA VENTRALIS	5	63.3
UPENEUS PARVUS	4	99.6
CENTROPRISTIS PHILADELPHICA	2	190.9
TRACHURUS LATHAMI	6	198.9
SERRANUS ATROBRANCHUS	19	320.3
STENOTOMUS CAPRINUS	13	559.8
PRISTIPOMOIDES AQUILONARIS	7	682.7
TOTALS 13	65	2305.1

TRANSECT 3 STATION 1 D TRAWL 77 SPRING
05/26/77 TIME: 920 SAMPLE CODE: BHWN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LUTJANUS CAMPECHANUS	1	23.2
VOMER SETAPINNIS	8	226.8
CYNOSCION NOTHUS	21	405.1
TRACHURUS LATHAMI	321	2734.5
PEPRILUS BURTI	369	2768.3
TOTALS 5	720	6157.9

TRANSECT 3 STATION 1 N TRAWL 77 SPRING
05/25/77 TIME: 2120 SAMPLE CODE: BHWR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	18.2
POLYDACTYLUS OCTONEMUS	3	46.3
SYACIUM GUNTERI	4	60.2
SYMPHURUS CIVITATUS	3	74.4
TOTALS 4	11	199.1

TRANSECT 3 STATION 2 D TRAWL 77 SPRING
05/26/77 TIME: 1240 SAMPLE CODE: BHYN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCOMBER JAPONICUS	1	17.9
CHLOROSCOMBRUS CHRYSURUS	1	29.6
SERRANUS ATROBRANCHUS	4	70.3
SYNODUS FOETENS	1	414.4
TRACHURUS LATHAMI	101	1096.1
TOTALS 5	108	1628.3

TRANSECT 3 STATION 2 N TRAWL 77 SPRING
05/26/77 TIME: 2330 SAMPLE CODE: BHYR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PERISTEDION GRACILE	1	2.6
PORICHTHYS POROSISSIMUS	1	6.3
PRIONOTUS STEARNSI	1	12.3
SYNODUS POEYI	3	15.5
TRICHOPSETTA VENTRALIS	1	15.6
HOPLUNNIS MACRURUS	1	24.9
TRACHURUS LATHAMI	1	34.6
CENTROPRISTIS PHILADELPHICA	1	44.0
PRIONOTUS RUBIO	5	85.3
UROPHYCIS FLORIDANUS	2	121.3
SERRANUS ATROBRANCHUS	11	164.5
PRISTIPOMOIDES AQUILONARIS	3	179.1
SYNODUS FOETENS	2	199.5
TOTALS 13	33	905.5

TRANSECT 3 STATION 3 D TRAWL 77 SPRING
05/26/77 TIME: 1730 SAMPLE CODE: BIAP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	1	22.8
PRIONOTUS PARALATUS	1	31.9
TRACHURUS LATHAMI	2	61.2
PRISTIPOMOIDES AQUILONARIS	1	157.7
TOTALS 4	5	273.6

TRANSECT 3 STATION 3 N TRAWL 77 SPRING
05/26/77 TIME: 2105 SAMPLE CODE: BIAT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
KATHETOSTOMA ALBIGUTTA	1	26.1
TRICHOPSETTA VENTRALIS	2	27.4
PORICHTHYS POROSISSIMUS	5	34.2
UPENEUS PARVUS	1	41.8
UROPHYCIS FLORIDANUS	1	44.9
PRIONOTUS PARALATUS	4	107.0
TRACHURUS LATHAMI	3	110.0
STENOTOMUS CAPRINUS	4	169.0
CENTROPRISTIS PHILADELPHICA	2	225.9
SERRANUS ATROBRANCHUS	16	328.1
PRISTIPOMOIDES AQUILONARIS	4	424.8
TOTALS 11	43	1539.2

TRANSECT 3 STATION 4 D TRAWL 77 SPRING
05/26/77 TIME: 730 SAMPLE CODE: BICG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	2	19.9
LUTJANUS CAMPECHANUS	9	194.0
CHLOROSCOMBRUS CHRYSURUS	12	254.8
TOTALS 3	23	468.7

TRANSECT 3 STATION 4 N TRAWL 77 SPRING
05/25/77 TIME: 2300 SAMPLE CODE: BICK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS BURTI	1	9.8
POLYDACTYLUS OCTONEMUS	1	13.1
ANCYLOPSETTA QUADROCELLATA	1	13.3
LUTJANUS CAMPECHANUS	1	26.0
SYACIUM GUNTERI	2	43.9
LEIOSTOMUS XANTHURUS	1	73.9
SPHOEROIDES PARVUS	14	101.8
LUTJANUS CAMPECHANUS	5	111.8
TOTALS 8	26	393.6

TRANSECT 3 STATION 5 D TRAWL 77 SPRING
05/24/77 TIME: 1830 SAMPLE CODE: BIDY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UPENEUS PARVUS	1	8.1
DIPLECTRUM BIVITTATUM	1	27.8
SYACIUM GUNTERI	2	35.9
LUTJANUS CAMPECHANUS	1	49.8
PRIONOTUS STEARNSI	6	54.5
PRISTIPOMOIDES AQUILONARIS	9	149.0
SAURIDA BRASILIENSIS	16	157.9
PEPRILUS BURTI	57	490.6
TRACHURUS LATHAMI	96	709.3
TOTALS 9	189	1682.9

TRANSECT 3 STATION 5 N TRAWL 77 SPRING
05/24/77 TIME: 2010 SAMPLE CODE: BIEC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	1.4
CENTROPRISTIS PHILADELPHICA	2	2.7
PRIONOTUS PARALATUS	2	3.7
SYNODUS POEYI	1	4.6
ETRUMEUS TERES	1	4.8
SCORPAENA CALCARTA	1	5.1
PEPRILUS BURTI	1	9.1
TRACHURUS LATHAMI	1	9.8
DIPLECTRUM BIVITTATUM	1	11.2
UPENEUS PARVUS	1	18.5
SYACIUM GUNTERI	4	37.3
LUTJANUS CAMPECHANUS	1	45.0
PRIONOTUS PARALATUS	1	49.0
PRISTIPOMOIDES AQUILONARIS	5	109.8
PRIACANTHUS ARENATUS	1	162.5
PEPRILUS BURTI	2	224.0
PONTINUS LONGISPINIS	7	484.3
TOTALS 17	33	1182.8

TRANSECT 3 STATION 6 D TRAWL 77 SPRING
05/26/77 TIME: 1825 SAMPLE CODE: BIFQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ZENOPSIS OCELLATA	1	20.4
TRICHOPSETTA VENTRALIS	1	22.1
SERRANUS ATROBRANCHUS	5	97.8
TRACHURUS LATHAMI	2	101.0
SYNODUS FOETENS	1	267.3
STENOTOMUS CAPRINUS	14	578.1
PRISTIPOMOIDES AQUILONARIS	13	1530.5
TOTALS 7	37	2617.2

TRANSECT 3 STATION 6 N TRAWL 77 SPRING
05/26/77 TIME: 2025 SAMPLE CODE: BIFT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	2	90.9
TRICHOPSETTA VENTRALIS	7	132.0
PRIONOTUS PARALATUS	5	194.2
SERRANUS ATROBRANCHUS	9	205.1
TRACHURUS LATHAMI	6	308.4
STENOTOMUS CAPRINUS	13	834.0
PRISTIPOMOIDES AQUILONARIS	13	1475.0
TOTALS 7	55	3239.6

TRANSECT 4 STATION 1 D TRAWL 77 SPRING
05/25/77 TIME: 920 SAMPLE CODE: BIHN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA LYOLEPIS	1	2.5
HARENGULA PENSACOLAE	1	7.6
PRISTIPOMOIDES AQUILONARIS	3	37.9
DIPLECTRUM BIVITTATUM	4	94.4
SCOMBER JAPONICUS	18	240.4
ETRUMEUS TERES	53	367.7
TRACHURUS LATHAMI	424	4288.4
PEPRILUS BURTI	1018	6750.0
TOTALS 8	1522	11788.9

TRANSECT 4 STATION 1 N TRAWL 77 SPRING
05/25/77 TIME: 337 SAMPLE CODE: BIHR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCOMBER JAPONICUS	1	6.0
SPHOEROIDES PARVUS	2	7.2
SAURIDA BRASILIENSIS	1	9.3
ANTENNARIUS RADIOSUS	3	11.5
SYNODUS FOETENS	1	13.9
LUTJANUS CAMPECHANUS	1	14.8
SYACIUM GUNTERI	2	18.2
PRISTIPOMOIDES AQUILONARIS	2	29.3
STENOTOMUS CAPRINUS	1	31.8
PORICHTHYS POROSISSIMUS	3	33.1
TOTALS 10	17	175.1

TRANSECT 4 STATION 2 D TRAWL 77 SPRING
05/24/77 TIME: 805 SAMPLE CODE: BIJN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	1	11.3
PRIONOTUS STEARNSI	2	19.1
SYACIUM GUNTERI	1	32.6
SERRANUS ATROBRANCHUS	6	105.6
SYNODUS FOETENS	3	374.0
TRACHURUS LATHAMI	68	1335.8
TOTALS 6	81	1878.4

TRANSECT 4 STATION 2 N TRAWL 77 SPRING
05/25/77 TIME: 45 SAMPLE CODE: BIJR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS PARALATUS	6	11.8
SYNODUS POEYI	2	13.0
OGCOCEPHALUS SPECIES	1	14.0
SPHOEROIDES PARVUS	3	16.9
PRIONOTUS STEARNSI	2	19.3
UROPHYCIS CIRRATUS	2	44.1
LUTJANUS CAMPECHANUS	2	50.0
SYACIUM GUNTERI	2	57.3
UROPHYCIS FLORIDANUS	2	107.1
PRIONOTUS RUBIO	3	118.8
SYNODUS FOETENS	1	120.7
CENTROPRISTIS PHILADELPHICA	2	174.3
SERRANUS ATROBRANCHUS	10	182.7
TOTALS 13	38	930.0

TRANSECT 4 STATION 3 D TRAWL 77 SPRING
05/24/77 TIME: 1405 SAMPLE CODE: BILQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	2	35.6
TRACHURUS LATHAMI	1	51.1
CAULOLATILUS INTERMEDIUS	1	132.8
LAGODON RHOMBOIDES	2	196.3
CYNOSCION ARENARIUS	1	212.4
SYNODUS FOETENS	2	230.4
PRISTIPOMOIDES AQUILONARIS	8	866.6
STENOTOMUS CAPRINUS	27	978.8
TOTALS 8	44	2704.0

TRANSECT 4 STATION 3 N TRAWL 77 SPRING
05/24/77 TIME: 2025 SAMPLE CODE: BILU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	12.7
CENTROPRISTIS PHILADELPHICA	1	71.0
SERRANUS ATROBRANCHUS	5	78.8
MULLUS AURATUS	1	88.1
UROPHYCIS FLORIDANUS	2	103.5
EQUETUS ACUMINATUS	1	105.4
CAULOLATILUS INTERMEDIUS	1	106.3
TRACHURUS LATHAMI	2	106.8
SYNODUS FOETENS	1	112.1
PRIACANTHUS ARENATUS	1	169.2
PRISTIPOMOIDES AQUILONARIS	5	295.5
STENOTOMUS CAPRINUS	24	833.7
TOTALS 12	45	2083.1

TRANSECT 4 STATION 4 D TRAWL 77 SPRING
05/25/77 TIME: 720 SAMPLE CODE: BINH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	1	10.9
ANCHOA HEPSETUS	1	12.7
UPENEUS PARVUS	1	13.8
POLYDACTYLUS OCTONEMUS	1	17.8
MICROPOGON UNDULATUS	2	18.7
TRACHURUS LATHAMI	1	21.1
HARENGULA PENSACOLAE	5	104.8
CYNOSCION NOTHUS	7	192.3
LEIOSTOMUS XANTHURUS	4	214.0
CHLOROSCOMBRUS CHRYSURUS	302	4732.2
TOTALS 10	325	5338.3

TRANSECT 4 STATION 4 N TRAWL 77 SPRING
05/25/77 TIME: 435 SAMPLE CODE: BINL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	3.6
VOMER SETAPINNIS	2	3.8
POLYDACTYLUS OCTONEMUS	2	12.2
ANCYLOPSETTA QUADROCELLATA	1	16.0
PRISTIPOMOIDES AQUILONARIS	1	17.2
LUTJANUS CAMPECHANUS	2	25.7
CYNOSCION NOTHUS	2	33.8
PRIONOTUS RUBIO	3	39.3
CHLOROSCOMBRUS CHRYSURUS	4	64.6
LEIOSTOMUS XANTHURUS	4	121.9
MICROPOGON UNDULATUS	39	430.4
TOTALS 11	61	768.5

TRANSECT 4 STATION 5 D TRAWL 77 SPRING
05/25/77 TIME: 1150 SAMPLE CODE: BIOV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HARENGULA PENSACOLAE	1	28.0
PRISTIPOMOIDES AQUILONARIS	7	129.1
SCOMBER JAPONICUS	12	216.1
TRACHURUS LATHAMI	79	998.2
PEPRILUS BURTI	62	1166.5
TOTALS 5	161	2537.9

TRANSECT 4 STATION 5 N TRAWL 77 SPRING
05/25/77 TIME: 230 SAMPLE CODE: BIOZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	.6
BOLLMANNIA COMMUNIS	1	1.2
SERRANUS ATROBRANCHUS	1	3.3
ETRUMEUS TERES	1	4.6
ENGYOPHRYS SENTA	1	8.7
PORICHTHYS POROSISSIMUS	1	9.2
SAURIDA BRASILIENSIS	1	14.0
UROPHYCIS CIRRATUS	2	20.5
UROPHYCIS FLORIDANUS	1	22.5
ANTENNARIUS RADIOSUS	7	27.8
PRIONOTUS STEARNSI	5	36.7
PRISTIPOMOIDES AQUILONARIS	3	44.0
PRIONOTUS RUBIO	3	96.2
TOTALS 13	28	289.3

TRANSECT 4 STATION 6 D TRAWL 77 SPRING
05/24/77 TIME: 1145 SAMPLE CODE: BIOM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	22.5
PRIONOTUS PARALATUS	1	45.1
TRACHURUS LATHAMI	4	63.3
STENOTOMUS CAPRINUS	4	129.6
SYNODUS FOETENS	1	154.3
CENTROPRISTIS PHILADELPHICA	1	167.0
LUTJANUS CAMPECHANUS	4	197.3
PRISTIPOMOIDES AQUILONARIS	4	208.0
CAULOLATILUS INTERMEDIUS	2	232.6
PRIACANTHUS ARENATUS	3	610.3
URAPSIS SECUNDA	1	4320.0
TOTALS 11	26	6150.0

TRANSECT 4 STATION 6 N TRAWL 77 SPRING
05/24/77 TIME: 2335 SAMPLE CODE: BIQQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	5.1
CALLIONYMUS AGASSIZI	1	8.3
UROPHYCIS CIRRATUS	1	16.1
SPHOEROIDES PARVUS	3	28.3
SYACIUM GUNTERI	2	48.0
TRACHURUS LATHAMI	1	53.8
ANCYLOPSETTA DILECTA	1	70.9
SYNODUS FOETENS	1	82.9
SERRANUS ATROBRANCHUS	6	96.2
LUTJANUS CAMPECHANUS	3	181.2
CENTROPRISTIS PHILADELPHICA	3	198.0
PRIACANTHUS ARENATUS	2	233.5
PRISTIPOMOIDES AQUILONARIS	4	261.7
RAJA TEXANA	1	309.8
STENOTOMUS CAPRINUS	8	321.3
TOTALS 15	38	1915.1

TRANSECT 4 STATION 7 D TRAWL 77 SPRING
05/24/77 TIME: 1710 SAMPLE CODE: BISD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CAULOLATILUS INTERMEDIUS	1	107.9
UPENEUS PARVUS	3	114.3
CENTROPRISTIS PHILADELPHICA	1	139.9
SYNODUS FOETENS	1	158.2
PSENES PELLUCIDUS	8	178.2
SERRANUS ATROBRANCHUS	14	298.3
TRACHURUS LATHAMI	7	344.0
PRISTIPOMOIDES AQUILONARIS	31	2993.8
TOTALS 8	66	4334.6

TRANSECT 4 STATION 7 N TRAWL 77 SPRING
05/24/77 TIME: 2135 SAMPLE CODE: BISH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PHYSICULUS FULVUS	1	6.6
HALIEUTICHTHYS ACULEATUS	2	12.8
PONTINUS LONGISPINIS	1	14.8
OGCOCEPHALUS SPECIES	2	38.6
PRIONOTUS PARALATUS	2	47.0
DEMBROPS ANATIROSTRIS	1	63.2
GUNTERICHTHYS LONGIPENIS	2	64.7
TRICHOPSETTA VENTRALIS	5	82.1
TRACHURUS LATHAMI	2	100.0
STEINDACHNERIA ARGENTEA	7	144.1
UROPHYCIS FLORIDANUS	1	189.7
UROPHYCIS CIRRATUS	15	400.7
SERRANUS ATROBRANCHUS	53	1104.4
PRISTIPOMOIDES AQUILONARIS	64	5103.2
TOTALS 14	158	7371.9

TRANSECT 2 STATION 1 N TRAWL 77 JULY
07/08/77 TIME: 2045 SAMPLE CODE: BLKA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	2.1
SPHOEROIDES PARVUS	7	5.7
MICROPOGON UNDULATUS	1	8.1
PORICHTHYS POROSISSIMUS	1	10.9
UPENEUS PARVUS	1	13.8
ANCHOA HEPSETUS	2	32.3
LEPOPHIDIUM GRAELLSI	2	34.5
PRIONOTUS RUBIO	6	41.9
CENTROPRISTIS PHILADELPHICA	12	49.4
CYNOSCION ARENARIUS	11	58.8
TRACHURUS LATHAMI	7	77.3
SYNODUS FOETENS	3	102.5
SYACIUM GUNTERI	9	108.3
STENOTOMUS CAPRINUS	23	170.6
PEPRILUS BURTI	39	518.7
TOTALS 15	125	1234.9

TRANSECT 2 STATION 1 N TRAWL 77 JULY
07/08/77 TIME: 2120 SAMPLE CODE: BLKD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	1.2
SPHOEROIDES PARVUS	2	2.1
BREGMACEROS ATLANTICUS	2	2.3
PEPRILUS BURTI	1	6.2
TRACHURUS LATHAMI	1	10.1
SAURIDA BRASILIENSIS	2	13.6
PRIONOTUS RUBIO	3	20.0
LEPOPHIDIUM GRAELLSI	2	25.6
ANCYLOPSETTA QUADROCELLATA	1	26.1
TRICHOPSETTA VENTRALIS	4	26.9
CYNOSCION ARENARIUS	11	60.7
UPENEUS PARVUS	11	122.2
SYNODUS FOETENS	3	180.1
STENOTOMUS CAPRINUS	31	217.8
TOTALS 14	75	714.9

TRANSECT 2 STATION 1 N TRAWL 77 JULY
07/08/77 TIME: 2145 SAMPLE CODE: BLKG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CENTROPRISTIS PHILADELPHICA	1	2.1
SYNODUS POEYI	1	7.2
SAURIDA BRASILIENSIS	1	11.8
CYNOSCION NOTHUS	4	15.3
ANCHOA HEPSETUS	1	21.5
CYNOSCION ARENARIUS	2	21.8
LEPOPHIDIUM GRAELLSI	2	36.2
SYACIUM GUNTERI	3	52.1
UPENEUS PARVUS	7	72.9
SYNODUS FOETENS	2	86.4
STENOTOMUS CAPRINUS	13	99.3
TRACHURUS LATHAMI	16	176.7
PEPRILUS BURTI	31	393.7
TOTALS 13	84	997.0

TRANSECT 2 STATION 2 N TRAWL 77 JULY
07/08/77 TIME: 2355 SAMPLE CODE: BLKR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	2	5.0
ETROPUS CROSSOTUS	1	5.3
UROPHYCIS CIRRATUS	1	8.0
BOLLMANNIA COMMUNIS	2	9.3
PORICHTHYS POROSISSIMUS	4	22.4
PEPRILUS BURTI	2	26.4
TRICHOPSETTA VENTRALIS	1	28.2
ANCYLOPSETTA DILECTA	2	29.1
SAURIDA BRASILIENSIS	4	31.3
LEPOPHIDIUM GRAELLSI	3	38.3
PRIONOTUS STEARNSI	5	50.3
SYNODUS POEYI	9	54.2
PRIONOTUS PARALATUS	24	112.8
SYACIUM GUNTERI	11	136.9
CYCLOPSETTA CHITTENDENI	1	158.1
CYNOSCION NOTHUS	2	169.9
TRACHURUS LATHAMI	19	188.8
SYNODUS FOETENS	4	189.4
CENTROPRISTIS PHILADELPHICA	16	218.1
SERRANUS ATROBRANCHUS	27	357.4
TOTALS 20	140	1839.2

TRANSECT 2 STATION 2 N TRAWL 77 JULY
07/09/77 TIME: 20 SAMPLE CODE: BLKU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	4.8
SAURIDA BRASILIENSIS	1	7.3
TRACHURUS LATHAMI	1	9.2
PEPRILUS BURTI	1	10.1
ETROPUS CROSSOTUS	2	10.3
PRIONOTUS STEARNSI	3	19.9
LEPOPHIDIUM GRAELLSI	1	48.0
ANCYLOPSETTA DILECTA	3	53.4
UROPHYCIS FLORIDANUS	1	56.4
SYNODUS POEYI	8	65.6
SERRANUS ATROBRANCHUS	6	66.9
PRISTIPOMOIDES AQUILONARIS	2	69.5
PRIONOTUS PARALATUS	26	138.1
CENTROPRISTIS PHILADELPHICA	5	183.0
SYNODUS FOETENS	3	212.5
SYACIUM GUNTERI	11	366.9
TOTALS 16	75	1321.9

TRANSECT 2 STATION 2 N TRAWL 77 JULY
07/09/77 TIME: 55 SAMPLE CODE: BLKX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CENTROPRISTIS PHILADELPHICA	1	3.2
BOLLMANNIA COMMUNIS	1	3.6
UROPHYCIS CIRRATUS	1	8.2
LEPOPHIDIUM GRAELLSI	1	13.1
PORICHTHYS POROSISSIMUS	2	20.5
PEPRILUS BURTI	2	30.1
SYNODUS POEYI	3	30.8
PRIONOTUS RUBIO	1	31.2
PRISTIPOMOIDES AQUILONARIS	1	39.2
TRACHURUS LATHAMI	5	54.6
ANCYLOPSETTA DILECTA	4	55.8
PRIONOTUS PARALATUS	12	66.7
PRIONOTUS STEARNSI	9	89.1
SERRANUS ATROBRANCHUS	9	93.9
UROPHYCIS FLORIDANUS	2	100.8
SYACIUM GUNTERI	9	122.8
CYCLOPSETTA CHITTENDENI	1	151.3
SYNODUS FOETENS	3	254.7
TOTALS 18	67	1169.6

TRANSECT 2 STATION 3 N TRAWL 77 JULY
07/09/77 TIME: 407 SAMPLE CODE: BLLI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA LYOLEPIS	1	2.2
PEPRILUS BURTI	1	8.4
NEOBYTHITES GILLI	2	9.0
PHYSICULUS FULVUS	2	11.2
TRACHURUS LATHAMI	2	12.7
HALIEUTICHTHYS ACULEATUS	4	26.9
EQUETUS ACUMINATUS	1	36.5
UPENEUS PARVUS	1	64.2
BROTULA BARBATA	1	78.4
PRIONOTUS RUBIO	1	82.4
UROPHYCIS CIRRATUS	5	82.6
PORICHTHYS POROSISSIMUS	5	103.0
KATHETOSTOMA ALBIGUTTA	1	106.5
OGCOCEPHALUS SPECIES	2	120.6
LEPOPHIDIUM GRAELLSI	2	127.4
UROPHYCIS FLORIDANUS	1	147.4
CAULOLATILUS INTERMEDIUS	3	293.9
CENTROPRISTIS PHILADELPHICA	5	486.5
TRICHOPSETTA VENTRALIS	21	487.1
SERRANUS ATROBRANCHUS	36	511.2
PRIONOTUS PARALATUS	17	513.0
STENOTOMUS CAPRINUS	22	1110.5
PRISTIPOMOIDES AQUILONARIS	18	1633.7
TOTALS 23	154	6055.3

TRANSECT 2 STATION 3 N TRAWL 77 JULY
07/09/77 TIME: 407 SAMPLE CODE: BLLL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	4	27.2
LEPOPHIDIUM GRAELLSI	1	29.5
ANCYLOPSETTA DILECTA	1	48.2
KATHETOSTOMA ALBIGUTTA	2	80.3
PORICHTHYS POROSISSIMUS	4	84.3
STELLIFER LANCEOLATUS	2	94.7
BROTULA BARBATA	1	98.0
UROPHYCIS CIRRATUS	6	136.1
TRICHOPSETTA VENTRALIS	10	173.0
CYCLOPSETTA CHITTENDENI	1	206.5
UROPHYCIS FLORIDANUS	2	216.1
CENTROPRISTIS PHILADELPHICA	4	226.9
PRIONOTUS PARALATUS	7	266.4
SERRANUS ATROBRANCHUS	36	637.9
PRISTIPOMOIDES AQUILONARIS	15	1183.4
STENOTOMUS CAPRINUS	34	1723.0
TOTALS 16	130	5231.5

TRANSECT 2 STATION 3 N TRAWL 77 JULY
07/09/77 TIME: 407 SAMPLE CODE: BLLO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	12.3
UPENEUS PARVUS	1	24.0
LEPOPHIDIUM GRAELLSI	1	31.3
ANCYLOPSETTA DILECTA	5	79.8
BROTULA BARBATA	1	109.9
UROPHYCIS CIRRATUS	5	124.2
LAGODON RHOMBOIDES	1	128.2
PRIONOTUS PARALATUS	5	154.1
TRICHOPSETTA VENTRALIS	12	187.6
CENTROPRISTIS PHILADELPHICA	2	253.0
SERRANUS ATROBRANCHUS	37	760.5
PRISTIPOMOIDES AQUILONARIS	14	1087.7
STENOTOMUS CAPRINUS	37	1744.8
TOTALS 13	122	4697.4

TRANSECT 2 STATION 1 N TRAWL 77 AUGUST
08/06/77 TIME: 2150 SAMPLE CODE: BMVX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	12.9
UPENEUS PARVUS	1	13.6
PEPRILUS BURTI	1	14.9
PRIONOTUS RUBIO	1	15.1
PORICHTHYS POROSISSIMUS	2	31.9
STENOTOMUS CAPRINUS	2	32.2
SPHOEROIDES PARVUS	8	33.6
CYNOSCION NOTHUS	2	41.1
PRIONOTUS TRIBULUS	1	42.0
SYACIUM GUNTERI	3	48.1
CYNOSCION ARENARIUS	2	126.5
MICROPOGON UNDULATUS	6	151.5
POLYDACTYLUS OCTONEMUS	15	412.4
TOTALS 13	45	975.8

TRANSECT 2 STATION 1 N TRAWL 77 AUGUST
08/06/77 TIME: 2210 SAMPLE CODE: BMWA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	1	4.3
SAURIDA BRASILIENSIS	1	7.1
PORICHTHYS POROSISSIMUS	1	9.4
CENTROPRISTIS PHILADELPHICA	2	11.2
PEPRILUS BURTI	1	14.3
UPENEUS PARVUS	1	16.2
LEPOPHIDIUM GRAELLSI	1	18.1
SYNODUS FOETENS	1	24.0
SYACIUM GUNTERI	3	34.2
SPHOEROIDES PARVUS	19	62.4
CYNOSCION ARENARIUS	4	65.2
CYNOSCION NOTHUS	2	91.7
POLYDACTYLUS OCTONEMUS	23	562.8
MICROPOGON UNDULATUS	43	1285.4
TOTALS 14	103	2206.3

TRANSECT 2 STATION 1 N TRAWL 77 AUGUST
08/06/77 TIME: 2230 SAMPLE CODE: BMWD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BOLLMANNIA COMMUNIS	2	5.0
SYNODUS POEYI	1	7.9
PEPRILUS BURTI	1	12.0
LEPOPHIDIUM GRAELLSI	1	14.9
CENTROPRISTIS PHILADELPHICA	6	29.9
PRIONOTUS RUBIO	3	38.3
CYNOSCION ARENARIUS	2	51.7
SYACIUM GUNTERI	7	105.4
CYNOSCION NOTHUS	3	158.8
SPHOEROIDES PARVUS	56	164.3
POLYDACTYLUS OCTONEMUS	43	603.1
MICROPOGON UNDULATUS	37	827.5
TOTALS 12	162	2018.8

TRANSECT 2 STATION 2 N TRAWL 77 AUGUST
08/07/77 TIME: 45 SAMPLE CODE: BMWO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	4.1
BOLLMANNIA COMMUNIS	1	7.0
SYNODUS POEYI	2	10.8
SPHOEROIDES PARVUS	3	14.3
CAULOLATILUS INTERMEDIUS	1	28.7
PRISTIPOMOIDES AQUILONARIS	1	30.6
PRIONOTUS STEARNSI	6	37.1
SAURIDA BRASILIENSIS	4	38.8
STENOTOMUS CAPRINUS	3	39.3
PRIONOTUS PARALATUS	6	46.5
SYACIUM GUNTERI	2	46.9
SYNODUS FOETENS	2	83.7
GYMNOTHORAX NIGROMARGINATUS	1	93.0
SERRANUS ATROBRANCHUS	13	127.0
CENTROPRISTIS PHILADELPHICA	18	139.4
TOTALS 15	64	747.2

TRANSECT 2 STATION 2 N TRAWL 77 AUGUST
08/07/77 TIME: 112 SAMPLE CODE: BMWR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS FOETENS	1	2.2
BOLLMANNIA COMMUNIS	2	10.3
STENOTOMUS CAPRINUS	1	11.3
ANCYLOPSETTA DILECTA	1	19.6
SERRANUS ATROBRANCHUS	9	45.0
SAURIDA BRASILIENSIS	4	45.6
SYACIUM GUNTERI	3	60.1
PRIONOTUS STEARNSI	6	60.6
PRIONOTUS PARALATUS	8	66.5
LEPOPHIDIUM GRAELLSI	3	69.2
CENTROPRISTIS PHILADELPHICA	12	127.5
SYNODUS POEYI	2	178.3
TOTALS 12	52	696.2

TRANSECT 2 STATION 2 N TRAWL 77 AUGUST
08/07/77 TIME: 129 SAMPLE CODE: BMWU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYMPHURUS PLAGIUSA	1	15.4
PRIONOTUS STEARNSI	2	15.7
TRACHURUS LATHAMI	1	16.2
STENOTOMUS CAPRINUS	2	19.3
SYNODUS POEYI	4	25.5
LEPOPHIDIUM GRAELLSI	2	32.8
SYACIUM GUNTERI	3	73.2
CYCLOPSETTA CHITTENDENI	1	79.1
PRIONOTUS PARALATUS	11	82.5
SAURIDA BRASILIENSIS	10	106.5
CENTROPRISTIS PHILADELPHICA	12	155.4
SERRANUS ATROBRANCHUS	25	229.5
SYNODUS FOETENS	4	240.4
TOTALS 13	78	1091.5

TRANSECT 2 STATION 3 N TRAWL 77 AUGUST
08/04/77 TIME: 2322 SAMPLE CODE: BMXF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	.9
HOPLUNNIS MACRURUS	2	5.9
HALIEUTICHTHYS ACULEATUS	1	6.1
KATHETOSTOMA ALBIGUTTA	1	21.2
PONTINUS LONGISPINIS	1	27.2
LEPOPHIDIUM GRAELLSI	1	39.8
UROPHYCIS CIRRATUS	2	73.0
TRACHURUS LATHAMI	3	94.8
TRICHOPSETTA VENTRALIS	9	151.0
PEPRILUS BURTI	2	179.2
CENTROPRISTIS PHILADELPHICA	2	184.0
UPENEUS PARVUS	8	268.9
PRIONOTUS PARALATUS	16	400.4
LAGODON RHOMBOIDES	6	514.9
SERRANUS ATROBRANCHUS	61	1227.6
PRISTIPOMOIDES AQUILONARIS	17	1535.7
STENOTOMUS CAPRINUS	47	2738.0
TOTALS 17	180	7468.6

TRANSECT 2 STATION 3 N TRAWL 77 AUGUST
08/04/77 TIME: 2348 SAMPLE CODE: BMXI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LEPOPHIDIUM GRAELLSI	1	20.1
CONGRINA FLAVA	1	36.6
BEMBROPS ANATIROSTRIS	3	87.6
KATHETOSTOMA ALBIGUTTA	2	122.6
TRACHURUS LATHAMI	4	124.1
UPENEUS PARVUS	5	137.4
PONTINUS LONGISPINIS	5	148.7
LAGODON RHOMBOIDES	2	159.3
PRIONOTUS RUBIO	2	159.7
ANCYLOPSETTA DILECTA	4	182.8
TRICHOPSETTA VENTRALIS	13	455.4
SCORPAENA BRASILIENSIS	1	537.9
PRIONOTUS PARALATUS	19	596.0
SERRANUS ATROBRANCHUS	69	1406.0
PRISTIPOMOIDES AQUILONARIS	19	1714.1
STENOTOMUS CAPRINUS	44	2677.7
TOTALS 16	194	8566.0

TRANSECT 2 STATION 3 N TRAWL 77 AUGUST
08/04/77 TIME: 24 SAMPLE CODE: BMXL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	12.9
UPENEUS PARVUS	1	27.2
ANCYLOPSETTA DILECTA	1	60.4
PRIONOTUS RUBIO	1	73.0
KATHETOSTOMA ALBIGUTTA	1	90.0
UROPHYCIS FLORIDANUS	1	101.0
TRACHURUS LATHAMI	4	117.9
CENTROPRISTIS PHILADELPHICA	1	174.2
EQUETUS ACUMINATUS	4	207.8
PONTINUS LONGISPINIS	7	209.6
UROPHYCIS CIRRATUS	3	210.3
TRICHOPSETTA VENTRALIS	13	221.9
PRIONOTUS PARALATUS	14	372.4
SERRANUS ATROBRANCHUS	75	635.2
PRISTIPOMOIDES AQUILONARIS	36	2120.0
STENOTOMUS CAPRINUS	61	2797.5
TOTALS 16	224	7431.3

TRANSECT 2 STATION 3 N TRAWL 77 FALL
10/05/77 TIME: 2005 SAMPLE CODE: BPWA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	21.6
TRICHOPSETTA VENTRALIS	2	43.3
ANCYLOPSETTA DILECTA	1	52.3
UPENEUS PARVUS	2	66.5
SERRANUS ATROBRANCHUS	6	117.3
PONTINUS LONGISPINIS	8	314.2
PRIONOTUS PARALATUS	39	563.2
PRISTIPOMOIDES AQUILONARIS	6	592.9
STENOTOMUS CAPRINUS	16	989.9
TOTALS 9	81	2761.2

TRANSECT 2 STATION 3 N TRAWL 77 FALL
10/05/77 TIME: 2043 SAMPLE CODE: BPWD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS PARALATUS	1	34.9
ANCYLOPSETTA DILECTA	1	104.0
SERRANUS ATROBRANCHUS	1	133.8
STENOTOMUS CAPRINUS	3	222.4
TOTALS 4	6	495.1

TRANSECT 2 STATION 3 N TRAWL 77 FALL
10/05/77 TIME: 2200 SAMPLE CODE: BPWG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	28.7
BEMBROPS ANATIROSTRIS	1	34.0
UPENEUS PARVUS	1	47.3
SERRANUS ATROBRANCHUS	3	59.3
PONTINUS LONGISPINIS	2	64.7
ANCYLOPSETTA DILECTA	1	102.6
PRIONOTUS PARALATUS	14	204.5
PRISTIPOMOIDES AQUILONARIS	3	423.7
STENOTOMUS CAPRINUS	7	503.6
TOTALS 9	33	1468.4

TRANSECT 2 STATION 4 D TRAWL 77 FALL
10/04/77 TIME: 1217 SAMPLE CODE: BPXS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	3.0
BOLLMANNIA COMMUNIS	1	6.0
SAURIDA BRASILIENSIS	1	11.7
PORICHTHYS POROSISSIMUS	1	13.5
ANCHOA HEPSETUS	1	14.7
CENTROPRISTIS PHILADELPHICA	1	19.6
TRACHURUS LATHAMI	1	31.7
CYCLOPSETTA CHITTENDENI	1	55.4
PRIONOTUS RUBIO	2	60.4
MICROPOGON UNDULATUS	2	93.9
POLYDACTYLUS OCTONEMUS	2	99.3
SYNODUS FOETENS	3	115.4
TRICHIURUS LEPTURUS	2	139.9
DIPLECTRUM BIVITTATUM	15	152.0
LUTJANUS CAMPECHANUS	16	210.1
CYNOSCION ARENARIUS	5	256.3
SYACIUM GUNTERI	15	272.2
VOMER SETAPINNIS	6	666.2
HARENGULA PENSACOLAE	27	696.5
PEPRILUS BURTI	22	745.1
TOTALS 20	125	3662.9

TRANSECT 2 STATION 4 D TRAWL 77 FALL
10/04/77 TIME: 1243 SAMPLE CODE: BPXV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	1	7.0
PORICHTHYS POROSISSIMUS	1	15.1
SAURIDA BRASILIENSIS	5	29.2
TRACHURUS LATHAMI	1	39.2
LAGODON RHOMBOIDES	1	46.4
MICROPOGON UNDULATUS	1	48.4
ANCHOA HEPSETUS	5	65.5
CHLOROSCOMBRUS CHRYSURUS	2	92.7
SCOMBEROMORUS CAVALLA	2	99.0
TRICHIURUS LEPTURUS	1	113.3
DIPLECTRUM BIVITTATUM	14	150.8
VOMER SETAPINNIS	1	164.3
LUTJANUS CAMPECHANUS	14	242.0
SYNODUS FOETENS	7	247.1
PEPRILUS BURTI	37	1471.7
CYNOSCION ARENARIUS	28	1744.6
POLYDACTYLUS OCTONEMUS	33	1763.2
HARENGULA PENSACOLAE	120	2941.6
TOTALS 18	274	9281.1

TRANSECT 2 STATION 4 N TRAWL 77 FALL
10/04/77 TIME: 2116 SAMPLE CODE: BPXZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS MACRURUS	1	1.4
PORICHTHYS POROSISSIMUS	1	6.3
SAURIDA BRASILIENSIS	1	7.6
BOLLMANNIA COMMUNIS	1	8.0
LUTJANUS CAMPECHANUS	3	25.5
CYNOSCION NOTHUS	12	25.8
CYCLOPSETTA CHITTENDENI	3	47.9
CENTROPRISTIS PHILADELPHICA	3	48.2
SYNODUS FOETENS	2	107.8
PRIONOTUS RUBIO	5	166.6
SYACIUM GUNTERI	21	309.9
DIPLECTRUM BIVITTATUM	48	418.8
POLYDACTYLUS OCTONEMUS	9	510.6
MICROPOGON UNDULATUS	15	739.9
TOTALS 14	125	2424.3

TRANSECT 2 STATION 4 N TRAWL 77 FALL
10/04/77 TIME: 2142 SAMPLE CODE: BPYC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	2.2
GYMNACHIRUS TEXAE	1	10.5
BOLLMANNIA COMMUNIS	2	10.6
CENTROPRISTIS PHILADELPHICA	1	21.7
CYCLOPSETTA CHITTENDENI	1	35.4
SYACIUM GUNTERI	4	42.8
CYNOSCION NOTHUS	35	50.9
LEIOSTOMUS XANTHURUS	1	52.0
PRIONOTUS RUBIO	2	97.6
DIPLECTRUM BIVITTATUM	18	168.9
POLYDACTYLUS OCTONEMUS	8	426.9
CYNOSCION ARENARIUS	6	657.4
MICROPOGON UNDULATUS	20	803.9
TOTALS 13	100	2380.8

TRANSECT 2 STATION 4 N TRAWL 77 FALL
10/04/77 TIME: 2208 SAMPLE CODE: BPYF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ETROPUS CROSSOTUS	1	6.8
OGCOCEPHALUS SPECIES	1	7.1
GYMNACHIRUS TEXAE	1	9.8
BOLLMANNIA COMMUNIS	3	16.0
LUTJANUS CAMPECHANUS	3	30.7
CITHARICHTHYS SPILOPTERUS	2	31.3
LARIMUS FASCIATUS	1	33.9
LAGODON RHOMBOIDES	1	40.1
CYNOSCION NOTHUS	35	52.5
PRIONOTUS RUBIO	4	93.1
SYNODUS FOETENS	1	118.2
CENTROPRISTIS PHILADELPHICA	5	161.5
SYACIUM GUNTERI	11	163.5
DIPLECTRUM BIVITTATUM	38	296.2
MICROPOGON UNDULATUS	13	523.0
POLYDACTYLUS OCTONEMUS	16	813.5
CYNOSCION ARENARIUS	7	865.0
TOTALS 17	143	3262.2

TRANSECT 2 STATION 5 D TRAWL 77 FALL
10/05/77 TIME: 1219 SAMPLE CODE: BPZR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	6.9
TRICHOPSETTA VENTRALIS	2	15.0
HARENGULA PENSACOLAE	1	16.0
TRACHURUS LATHAMI	1	19.7
PORICHTHYS POROSISSIMUS	2	26.3
SERRANUS ATROBRANCHUS	2	34.5
LAGOCEPHALUS LAEVIGATUS	2	73.7
UPENEUS PARVUS	3	74.2
PRIONOTUS PARALATUS	3	96.0
PRIONOTUS STEARNSI	12	96.4
PRISTIPOMOIDES AQUILONARIS	3	99.4
CYNOSCION ARENARIUS	1	129.4
STENOTOMUS CAPRINUS	8	141.9
CYCLOPSETTA CHITTENDENI	1	180.4
SYNODUS FOETENS	3	378.8
CENTROPRISTIS PHILADELPHICA	6	487.7
PEPRILUS BURTI	15	914.0
TOTALS 17	66	2790.3

TRANSECT 2 STATION 5 D TRAWL 77 FALL
10/05/77 TIME: 1329 SAMPLE CODE: BPZU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	2.3
SAURIDA BRASILIENSIS	1	3.1
TRACHURUS LATHAMI	3	34.4
UPENEUS PARVUS	2	48.0
SERRANUS ATROBRANCHUS	4	57.0
PEPRILUS BURTI	1	70.4
PRIONOTUS STEARNSI	8	83.6
MICROPOGON UNDULATUS	1	112.0
PRISTIPOMOIDES AQUILONARIS	3	124.5
STENOTOMUS CAPRINUS	14	442.8
CYCLOPSETTA CHITTENDENI	3	483.4
RAJA TEXANA	1	555.1
CENTROPRISTIS PHILADELPHICA	7	577.6
SYNODUS FOETENS	7	824.4
TOTALS 14	56	3418.6

TRANSECT 2 STATION 5 N TRAWL 77 FALL
10/06/77 TIME: 114 SAMPLE CODE: BPZY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ETROPUS CROSSOTUS	1	5.4
SYNODUS POEYI	1	7.4
SPHOEROIDES PARVUS	1	8.2
PORICHTHYS POROSISSIMUS	1	10.5
SAURIDA BRASILIENSIS	1	13.4
GYMNACHIRUS TEXAE	3	38.7
CAULOLATILUS INTERMEDIUS	2	46.1
PRIONOTUS RUBIO	2	49.3
LEPOPHIDIUM GRAELLSI	3	59.9
TRICHOPSETTA VENTRALIS	4	68.4
PRIONOTUS STEARNSI	10	102.1
PRISTIPOMOIDES AQUILONARIS	6	138.2
CYCLOPSETTA CHITTENDENI	2	272.7
SERRANUS ATROBRANCHUS	27	349.7
PRIONOTUS PARALATUS	54	377.5
SYNODUS FOETENS	5	433.9
CYNOSCION ARENARIUS	2	463.9
CENTROPRISTIS PHILADELPHICA	10	478.5
MICROPOGON UNDULATUS	7	507.3
STENOTOMUS CAPRINUS	22	679.9
TOTALS 20	164	4111.0

TRANSECT 2 STATION 5 N TRAWL 77 FALL
10/06/77 TIME: 146 SAMPLE CODE: BQAB
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	5.1
SAURIDA BRASILIENSIS	1	5.5
BELLATOR MILITARIS	1	17.8
CAULOLATILUS INTERMEDIUS	1	24.3
SYNODUS POEYI	6	31.1
GYMNACHIRUS TEXAE	2	38.2
LEPOPHIDIUM GRAELLSI	3	64.7
TRICHOPSETTA VENTRALIS	2	80.9
PRIONOTUS STEARNSI	8	82.5
PORICHTHYS POROSISSIMUS	7	87.5
SYNODUS FOETENS	1	91.1
TRICHIURUS LEPTURUS	1	109.0
KATHETOSTOMA ALBIGUTTA	4	125.8
PRIONOTUS RUBIO	4	136.6
MICROPOGON UNDULATUS	2	188.7
PRISTIPOMOIDES AQUILONARIS	6	216.9
STENOTOMUS CAPRINUS	15	299.3
CYCLOPSETTA CHITTENDENI	2	333.6
SERRANUS ATROBRANCHUS	36	457.2
PRIONOTUS PARALATUS	52	567.9
CYNOSCION ARENARIUS	4	690.9
CENTROPRISTIS PHILADELPHICA	19	951.0
TOTALS 22	178	4605.6

TRANSECT 2 STATION 5 N TRAWL 77 FALL
10/06/77 TIME: 217 SAMPLE CODE: BQAE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	6.6
HOPLUNNIS MACRURUS	1	11.5
TRACHURUS LATHAMI	1	11.7
ANTENNARIUS RADIOSUS	1	14.5
PRIONOTUS STEARNSI	9	90.3
CAULOLATILUS INTERMEDIUS	3	102.0
CYCLOPSETTA CHITTENDENI	1	123.6
CYNOSCION ARENARIUS	1	137.0
MICROPOGON UNDULATUS	2	161.7
PRIONOTUS PARALATUS	22	248.3
TRICHOPSETTA VENTRALIS	18	328.1
SYNODUS FOETENS	2	442.1
CENTROPRISTIS PHILADELPHICA	14	509.6
SERRANUS ATROBRANCHUS	34	594.0
PRISTIPOMOIDES AQUILONARIS	7	675.6
TOTALS 15	117	3456.6

TRANSECT 2 STATION 6 D TRAWL 77 FALL
10/05/77 TIME: 1535 SAMPLE CODE: BQBQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	2	19.8
TRICHOPSETTA VENTRALIS	1	22.0
UPENEUS PARVUS	3	77.7
ANCYLOPSETTA DILECTA	1	108.7
PRIONOTUS PARALATUS	7	163.9
CYCLOPSETTA CHITTENDENI	1	181.2
CENTROPRISTIS PHILADELPHICA	2	241.5
CAULOLATILUS INTERMEDIUS	4	251.4
SERRANUS ATROBRANCHUS	15	300.2
TRACHURUS LATHAMI	21	317.9
PRISTIPOMOIDES AQUILONARIS	6	620.8
STENOTOMUS CAPRINUS	14	676.1
SYNODUS FOETENS	5	768.7
TOTALS 13	82	3749.9

TRANSECT 2 STATION 6 D TRAWL 77 FALL
10/05/77 TIME: 1607 SAMPLE CODE: BQBT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UPENEUS PARVUS	2	41.5
ANCYLOPSETTA DILECTA	1	73.1
SERRANUS ATROBRANCHUS	5	98.6
SYNODUS FOETENS	1	106.2
STENOTOMUS CAPRINUS	5	156.3
TRACHURUS LATHAMI	25	374.2
PRISTIPOMOIDES AQUILONARIS	5	413.8
TOTALS 7	44	1263.7

TRANSECT 2 STATION 6 N TRAWL 77 FALL
10/06/77 TIME: 315 SAMPLE CODE: BQBX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	5.8
PRIONOTUS STEARNSI	1	12.0
HALIEUTICHTHYS ACULEATUS	2	12.2
PORICHTHYS POROSISSIMUS	1	12.2
ANTENNARIUS RADIOSUS	1	13.4
UROPHYCIS CIRRATUS	1	14.5
ANCYLOPSETTA DILECTA	1	17.0
LEPOPHIDIUM GRAELLSI	1	17.0
UPENEUS PARVUS	1	34.4
OGCOCEPHALUS SPECIES	2	40.3
KATHETOSTOMA ALBIGUTTA	1	41.4
EQUETUS ACUMINATUS	1	50.4
PRIONOTUS RUBIO	1	52.0
SYNODUS FOETENS	1	70.1
TRICHIURUS LEPTURUS	1	113.2
TRICHOPSETTA VENTRALIS	8	123.5
TRACHURUS LATHAMI	3	144.7
SERRANUS ATROBRANCHUS	9	165.0
CYNOSCION ARENARIUS	2	283.9
PRIONOTUS PARALATUS	19	357.6
CENTROPRISTIS PHILADELPHICA	4	441.5
LUTJANUS CAMPECHANUS	3	458.7
STENOTOMUS CAPRINUS	20	869.4
PRISTIPOMOIDES AQUILONARIS	13	1130.9
TOTALS 24	96	4481.1

TRANSECT 2 STATION 6 N TRAWL 77 FALL
10/06/77 TIME: 347 SAMPLE CODE: BQCA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
NEOBYTHITES GILLI	1	4.2
TRACHURUS LATHAMI	1	10.2
PRIONOTUS STEARNSI	2	23.1
MICROPOGON UNDULATUS	1	25.8
DECODON PUELLARIS	1	35.4
CAULOLATILUS INTERMEDIUS	1	37.5
PORICHTHYS POROSISSIMUS	3	39.1
LEPOPHIDIUM GRAELLSI	2	42.7
MYROPHIS PUNCTATUS	1	63.3
EQUETUS ACUMINATUS	2	91.5
SYNODUS FOETENS	1	93.8
TRICHOPSETTA VENTRALIS	6	100.0
UROPHYCIS CIRRATUS	4	103.4
BROTULA BARBATA	1	106.1
ANCYLOPSETTA DILECTA	2	107.6
UPENEUS PARVUS	3	147.6
CYNOSCION ARENARIUS	1	205.2
CYCLOPSETTA CHITTENDENI	1	255.1
PRIONOTUS PARALATUS	20	305.4
PRISTIPOMOIDES AQUILONARIS	10	484.8
CENTROPRISTIS PHILADELPHICA	5	525.3
SERRANUS ATROBRANCHUS	49	857.4
NEOMERINTHE HEMINGWAYI	1	1270.0
STENOTOMUS CAPRINUS	31	1534.0
LUTJANUS CAMPECHANUS	1	10000.0
TOTALS 25	151	16468.5

TRANSECT 2 STATION 6 N TRAWL 77 FALL
10/06/77 TIME: 421 SAMPLE CODE: BQCD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS MACRURUS	1	10.2
UROPHYCIS CIRRATUS	1	17.6
CAULOLATILUS INTERMEDIUS	1	38.7
LEPOPHIDIUM GRAELLSI	3	58.0
PORICHTHYS POROSISSIMUS	5	58.1
ANCYLOPSETTA DILECTA	3	58.8
PRIONOTUS STEARNSI	7	77.1
PEPRILUS BURTI	1	86.7
LAGOCEPHALUS LAEVIGATUS	2	96.5
UROPHYCIS FLORIDANUS	1	113.3
LAGODON RHOMBOIDES	1	121.6
UPENEUS PARVUS	6	207.7
TRICHOPSETTA VENTRALIS	15	249.0
CENTROPRISTIS PHILADELPHICA	3	318.0
CYNOSCION ARENARIUS	1	373.6
PRISTIPOMOIDES AQUILONARIS	5	448.7
PRIONOTUS PARALATUS	25	467.2
SERRANUS ATROBRANCHUS	53	1003.7
STENOTOMUS CAPRINUS	37	1939.5
TOTALS 19	171	5744.0

TRANSECT 3 STATION 1 D TRAWL 77 FALL
09/28/77 TIME: 1759 SAMPLE CODE: BQDY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CHLOROSCOMBRUS CHRYSURUS	1	11.4
LUTJANUS CAMPECHANUS	1	20.9
SPHYRAENA GUACHANCHO	1	40.0
HARENGULA PENSACOLAE	3	42.7
DIPLECTRUM BIVITTATUM	4	56.1
SYNODUS FOETENS	2	74.9
MICROPOGON UNDULATUS	2	89.2
CYNOSCION NOTHUS	2	127.2
TRICHIURUS LEPTURUS	2	133.5
PEPRILUS BURTI	11	192.1
ANCHOA HEPSETUS	26	365.1
TRACHURUS LATHAMI	54	725.6
TOTALS 12	109	1878.7

TRANSECT 3 STATION 1 N TRAWL 77 FALL
09/27/77 TIME: 2020 SAMPLE CODE: BQEC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	8.8
SPHOEROIDES PARVUS	3	11.3
CYNOSCION NOTHUS	8	16.6
PORICHTHYS POROSISSIMUS	3	46.8
MICROPOGON UNDULATUS	1	48.2
CENTROPRISTIS PHILADELPHICA	6	61.4
CYNOSCION ARENARIUS	1	67.7
DIPLECTRUM BIVITTATUM	11	89.7
TRICHIURUS LEPTURUS	1	97.5
SYACIUM GUNTERI	5	116.7
POLYDACTYLUS OCTONEMUS	31	1607.0
TOTALS 11	71	2171.7

TRANSECT 3 STATION 2 D TRAWL 77 FALL
09/28/77 TIME: 1400 SAMPLE CODE: BQGC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	2	68.0
TRACHURUS LATHAMI	4	74.8
LUTJANUS CAMPECHANUS	1	108.9
LAGOCEPHALUS LAEVIGATUS	4	140.4
SERRANUS ATROBRANCHUS	29	265.0
CENTROPRISTIS PHILADELPHICA	7	499.0
SYNODUS FOETENS	8	924.0
TOTALS 7	55	2080.1

TRANSECT 3 STATION 2 N TRAWL 77 FALL
09/28/77 TIME: 5 SAMPLE CODE: BQGF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	1.1
TRICHOPSETTA VENTRALIS	1	6.0
EPINEPHELUS NIGRITUS	1	12.2
SPHOEROIDES PARVUS	4	23.2
PORICHTHYS POROSISSIMUS	3	32.3
SYACIUM GUNTERI	2	38.6
LAGOCEPHALUS LAEVIGATUS	2	47.2
PEPRILUS BURTI	1	50.2
LEPOPHIDIUM GRAELLSI	2	58.4
PRISTIPOMOIDES AQUILONARIS	2	63.5
STENOTOMUS CAPRINUS	3	69.2
TRACHURUS LATHAMI	8	109.7
SYNODUS POEYI	17	121.9
UPENEUS PARVUS	6	152.2
CYNOSCION ARENARIUS	1	152.5
PRIONOTUS PARALATUS	20	185.2
MICROPOGON UNDULATUS	3	256.7
CYCLOPSETTA CHITTENDENI	2	324.9
PRIONOTUS STEARNSI	44	381.6
PRIONOTUS PARALATUS	5	461.2
CENTROPRISTIS PHILADELPHICA	6	570.9
SERRANUS ATROBRANCHUS	59	856.1
TOTALS 22	193	3974.8

TRANSECT 3 STATION 3 D TRAWL 77 FALL
09/28/77 TIME: 1054 SAMPLE CODE: BQII
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	1	6.8
GYMNACHIRUS TEXAE	1	7.9
OGCOCEPHALUS SPECIES	1	12.1
TRICHOPSETTA VENTRALIS	1	25.9
STENOTOMUS CAPRINUS	1	37.0
UROPHYCIS CIRRATUS	1	38.6
CAULOLATILUS INTERMEDIUS	1	48.2
PRIONOTUS PARALATUS	4	109.2
PRIACANTHUS ARENATUS	1	182.2
UPENEUS PARVUS	8	244.9
SERRANUS ATROBRANCHUS	17	353.5
PRISTIPOMOIDES AQUILONARIS	6	556.1
TRACHURUS LATHAMI	44	658.0
TOTALS 13	87	2280.4

TRANSECT 3 STATION 3 N TRAWL 77 FALL
09/28/77 TIME: 337 SAMPLE CODE: BQIM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	4.5
HALIEUTICHTHYS ACULEATUS	1	7.0
UROPHYCIS CIRRATUS	1	14.7
GYMNACHIRUS TEXAE	1	16.1
PONTINUS LONGISPINIS	2	43.5
CAULOLATILUS INTERMEDIUS	1	52.3
HEMANTHIAS LEPTUS	2	71.1
UROPHYCIS FLORIDANUS	1	72.3
MYROPHIS PUNCTATUS	1	92.4
TRICHOPSETTA VENTRALIS	6	95.3
CENTROPRISTIS PHILADELPHICA	1	141.3
UPENEUS PARVUS	7	190.4
STENOTOMUS CAPRINUS	6	314.0
PRIONOTUS PARALATUS	111	1365.6
TRACHURUS LATHAMI	53	1641.3
SERRANUS ATROBRANCHUS	89	1758.0
PRISTIPOMOIDES AQUILONARIS	38	2250.4
TOTALS 17	322	8130.2

TRANSECT 3 STATION 4 D TRAWL 77 FALL
09/27/77 TIME: 1641 SAMPLE CODE: BQKD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HARENGULA PENSACOLAE	1	9.8
CENTROPRISTIS PHILADELPHICA	1	30.0
CHLOROSCOMBRUS CHRYSURUS	4	40.6
ARIUS FELIS	1	173.4
TOTALS 4	7	253.8

TRANSECT 3 STATION 4 N TRAWL 77 FALL
09/27/77 TIME: 1906 SAMPLE CODE: BQKH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
MONACANTHUS HISPIDUS	1	3.4
PRIONOTUS OPHRYAS	1	9.2
ANCHOA HEPSETUS	2	16.0
SYNODUS POEYI	1	20.2
ENGYOPHRYS SENTA	1	25.0
SYACIUM GUNTERI	1	27.2
CYCLOPSETTA CHITTENDENI	1	37.2
PORICHTHYS POROSISSIMUS	2	39.0
SPHOEROIDES PARVUS	11	40.3
CENTROPRISTIS PHILADELPHICA	6	79.4
DIPLECTRUM BIVITTATUM	31	283.3
ORTHOPRISTIS CHRYSOPTERA	47	711.0
ARIUS FELIS	6	779.1
LUTJANUS CAMPECHANUS	90	1042.6
TOTALS 14	201	3112.9

TRANSECT 3 STATION 5 D TRAWL 77 FALL
09/28/77 TIME: 1701 SAMPLE CODE: BQLT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS FOETENS	1	40.4
LUTJANUS CAMPECHANUS	1	41.2
VOMER SETAPINNIS	1	66.6
CHLOROSCOMBRUS CHRYSURUS	2	75.7
DIPLECTRUM BIVITTATUM	3	85.0
TOTALS 5	8	308.9

TRANSECT 3 STATION 5 N TRAWL 77 FALL
09/28/77 TIME: 2213 SAMPLE CODE: BQLX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	1.6
BOLLMANNIA COMMUNIS	2	10.0
ANCHOA HEPSETUS	1	13.7
STENOTOMUS CAPRINUS	1	17.6
SYACIUM GUNTERI	2	19.7
CHLOROSCOMBRUS CHRYSURUS	1	27.7
SERRANUS ATROBRANCHUS	6	42.1
TRACHURUS LATHAMI	4	48.8
CYCLOPSETTA CHITTENDENI	1	50.2
SAURIDA BRASILIENSIS	10	50.9
PEPRILUS BURTI	2	52.8
VOMER SETAPINNIS	2	255.0
SYNODUS FOETENS	6	298.8
MICROPOGON UNDULATUS	8	385.6
POLYDACTYLUS OCTONEMUS	9	445.6
TOTALS 15	56	1720.1

TRANSECT 3 STATION 6 D TRAWL 77 FALL
09/28/77 TIME: 832 SAMPLE CODE: BQNJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	4.2
BEMBROPS ANATIROSTRIS	1	34.4
TRICHOPSETTA VENTRALIS	4	78.7
PONTINUS LONGISPINIS	3	168.1
ZENOPSIS OCELLATA	1	228.3
CAULOLATILUS INTERMEDIUS	3	366.5
UPENEUS PARVUS	17	405.1
PRIONOTUS PARALATUS	26	440.6
SERRANUS ATROBRANCHUS	23	456.4
STENOTOMUS CAPRINUS	13	530.1
TRACHURUS LATHAMI	16	549.9
PRISTIPOMOIDES AQUILONARIS	25	2693.0
TOTALS 12	133	5955.3

TRANSECT 3 STATION 6 N TRAWL 77 FALL
09/28/77 TIME: 439 SAMPLE CODE: BQNN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HEMANTHIAS LEPIUS	1	12.7
ANCYLOPSETTA DILECTA	2	33.4
BEMBROPS ANATIROSTRIS	1	44.9
CAULOLATILUS INTERMEDIUS	1	45.8
KATHETOSTOMA ALBIGUTTA	1	56.9
PONTINUS LONGISPINIS	2	73.2
MYROPHIS PUNCTATUS	1	76.3
LAGODON RHOMBOIDES	1	80.1
UROPHYCIS FLORIDANUS	1	144.9
TRICHOPSETTA VENTRALIS	15	247.6
UROPHYCIS CIRRATUS	10	316.9
SERRANUS ATROBRANCHUS	102	372.9
UPENEUS PARVUS	26	656.7
PRISTIPOMOIDES AQUILONARIS	8	779.7
TRACHURUS LATHAMI	27	898.9
STENOTOMUS CAPRINUS	20	1023.1
PRIONOTUS PARALATUS	144	2218.9
TOTALS 17	363	7082.9

TRANSECT 4 STATION 1 D TRAWL 77 FALL
09/27/77 TIME: 923 SAMPLE CODE: BQPH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ETRUMEUS TERES	1	6.4
LAGOCEPHALUS LAEVIGATUS	1	15.6
STENOTOMUS CAPRINUS	1	17.0
SYNODUS FOETENS	2	33.9
UPENEUS PARVUS	2	43.2
DIPLECTRUM BIVITTATUM	3	57.8
LEIOSTOMUS XANTHURUS	1	67.4
MICROPOGON UNDULATUS	3	114.5
HARENGULA PENSACOLAE	6	123.5
TRACHURUS LATHAMI	13	146.3
ANCYLOPSETTA QUADROCELLATA	2	154.9
CHLOROSCOMBRUS CHRYSURUS	6	229.2
TOTALS 12	41	1009.7

TRANSECT 4 STATION 1 N TRAWL 77 FALL
09/27/77 TIME: 115 SAMPLE CODE: BQPL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	9.3
SYACIUM GUNTERI	1	19.5
LAGOCEPHALUS LAEVIGATUS	3	23.5
CENTROPRISTIS PHILADELPHICA	2	25.0
ORTHOPRISTIS CHRYSOPTERA	1	32.4
DIPLECTRUM BIVITTATUM	1	32.6
STENOTOMUS CAPRINUS	2	36.5
SPHOEROIDES PARVUS	8	45.4
TRACHURUS LATHAMI	4	51.3
LUTJANUS CAMPECHANUS	4	61.3
UPENEUS PARVUS	3	68.6
PEPRILUS BURTI	6	85.6
SYNODUS FOETENS	3	90.1
SCOMBEROMORUS MACULATUS	1	238.7
POLYDACTYLUS OCTONEMUS	7	294.6
LEIOSTOMUS XANTHURUS	8	534.7
MICROPOGON UNDULATUS	32	1261.4
TOTALS 17	87	2910.5

TRANSECT 4 STATION 2 D TRAWL 77 FALL
09/26/77 TIME: 923 SAMPLE CODE: BQRK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	1	12.6
UPENEUS PARVUS	1	19.0
BOLLMANNIA COMMUNIS	3	19.1
CYCLOPSETTA CHITTENDENI	1	62.6
CHLOROSCOMBRUS CHRYSURUS	1	79.6
PRIACANTHUS ARENATUS	2	96.5
SYACIUM GUNTERI	6	119.6
SERRANUS ATROBRANCHUS	14	131.3
VOMER SETAPINNIS	2	148.2
CENTROPRISTIS PHILADELPHICA	3	222.1
SYNODUS FOETENS	4	373.2
TOTALS 11	38	1283.8

TRANSECT 4 STATION 2 N TRAWL 77 FALL
09/26/77 TIME: 2247 SAMPLE CODE: BQRO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	6.0
PRIONOTUS PARALATUS	1	6.0
SAURIDA BRASILIENSIS	1	7.0
BOLLMANNIA COMMUNIS	2	8.1
PRISTIPOMOIDES AQUILONARIS	5	18.6
STENOTOMUS CAPRINUS	1	24.7
CENTROPRISTIS PHILADELPHICA	2	35.7
LAGOCEPHALUS LAEVIGATUS	2	39.8
LEPOPHIDIUM GRAELLSI	2	57.5
SYACIUM GUNTERI	7	136.4
PRIACANTHUS ARENATUS	4	143.6
MICROPOGON UNDULATUS	3	144.9
PRIONOTUS STEARNSI	20	154.2
SERRANUS ATROBRANCHUS	27	266.2
TOTALS 14	78	1048.7

TRANSECT 4 STATION 3 D TRAWL 77 FALL
09/26/77 TIME: 1522 SAMPLE CODE: BQTN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	24.0
UPENEUS PARVUS	1	26.4
PRIONOTUS PARALATUS	3	72.2
KATHETOSTOMA ALBIGUTTA	1	81.9
UROPHYCIS FLORIDANUS	1	89.9
PRIONOTUS RUBIO	3	126.5
PRIONOTUS STEARNSI	6	131.7
TRICHOPSETTA VENTRALIS	10	174.8
PONTINUS LONGISPINIS	7	190.8
EQUETUS ACUMINATUS	3	198.2
PRISTIPOMOIDES AQUILONARIS	8	791.2
STENOTOMUS CAPRINUS	16	1009.9
TOTALS 12	60	2917.5

TRANSECT 4 STATION 3 N TRAWL 77 FALL
09/26/77 TIME: 1958 SAMPLE CODE: BQTR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION ARENARIUS	1	1.2
PRIONOTUS STEARNSI	2	10.0
HALIEUTICHTHYS ACULEATUS	2	10.3
TRICHOPSETTA VENTRALIS	3	16.3
UPENEUS PARVUS	1	18.0
MYROPHIS PUNCTATUS	2	42.3
ANCYLOPSETTA DILECTA	3	54.0
PRIACANTHUS ARENATUS	2	72.4
SYNODUS FOETENS	2	266.7
PRISTIPOMOIDES AQUILONARIS	4	279.3
TRACHURUS LATHAMI	9	285.5
PRIONOTUS PARALATUS	27	335.6
MICROPOGON UNDULATUS	3	352.8
CYNOSCION ARENARIUS	2	429.6
SERRANUS ATROBRANCHUS	102	2000.2
TOTALS 15	165	4174.2

TRANSECT 4 STATION 4 D TRAWL 77 FALL
09/27/77 TIME: 1201 SAMPLE CODE: BQVK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	2	14.2
EUCINOSTOMUS GULA	2	38.2
ANCYLOPSETTA QUADROCELLATA	2	55.1
CHLOROSCOMBRUS CHRYSURUS	2	65.7
MICROPOGON UNDULATUS	3	147.8
DIPLECTRUM BIVITTATUM	15	257.8
ARIUS FELIS	7	958.5
LUTJANUS CAMPECHANUS	76	1404.8
TOTALS 8	109	2942.1

TRANSECT 4 STATION 4 N TRAWL 77 FALL
09/27/77 TIME: 220 SAMPLE CODE: BQVO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	1	10.6
ANCHOA HEPSETUS	1	14.0
CHLOROSCOMBRUS CHRYSURUS	1	27.3
EUCINOSTOMUS GULA	2	28.7
DIPLECTRUM BIVITTATUM	4	31.9
SYNODUS FOETENS	2	33.7
SPHOEROIDES PARVUS	5	40.2
MENTICIRRHUS AMERICANUS	2	92.3
CYNOSCION ARENARIUS	4	151.8
LEIOSTOMUS XANTHURUS	6	282.2
ARIUS FELIS	5	370.9
LAGODON RHOMBOIDES	15	449.5
ORTHOPRISTIS CHRYSOPTERA	19	593.8
LUTJANUS CAMPECHANUS	43	600.2
TRACHINOTUS CAROLINUS	4	704.9
POLYDACTYLUS OCTONEMUS	17	868.9
MICROPOGON UNDULATUS	39	1716.6
TOTALS 17	170	6017.5

TRANSECT 4 STATION 5 D TRAWL 77 FALL
09/27/77 TIME: 744 SAMPLE CODE: BQXA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BALISTES CAPRISCUS	1	10.1
ANCHOA HEPSETUS	1	10.8
PORICHTHYS POROSISSIMUS	1	14.4
LUTJANUS CAMPECHANUS	1	15.7
SYACIUM GUNTERI	1	20.0
ORTHOPRISTIS CHRYSOPTERA	1	31.6
ANCYLOPSETTA QUADROCELLATA	1	151.7
SYNODUS FOETENS	2	158.6
MICROPOGON UNDULATUS	4	164.9
PEPRILUS BURTI	12	168.9
VOMER SETAPINNIS	4	241.6
ETRUMEUS TERES	18	478.0
TRACHURUS LATHAMI	38	492.5
POLYDACTYLUS OCTONEMUS	20	1045.1
TRICHIURUS LEPTURUS	16	1368.2
HARENGULA PENSACOLAE	112	2061.0
CYNOSCION ARENARIUS	48	2449.8
TOTALS 17	281	8882.9

TRANSECT 4 STATION 5 N TRAWL 77 FALL
09/27/77 TIME: 21 SAMPLE CODE: BQXF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	6.6
SAURIDA BRASILIENSIS	2	12.1
SYNODUS FOETENS	1	17.9
SYMPHURUS DIOMEDIANUS	1	17.9
SYACIUM GUNTERI	2	31.7
PRIONOTUS STEARNSI	4	31.7
LAGOCEPHALUS LAEVIGATUS	4	44.3
DIPLECTRUM BIVITTATUM	3	59.1
TRACHURUS LATHAMI	5	60.1
PRIONOTUS RUBIO	3	64.5
CYNOSCION ARENARIUS	1	82.7
CYNOSCION NOTHUS	6	97.4
CENTROPRISTIS PHILADELPHICA	7	135.4
MENTICIRRHUS AMERICANUS	2	214.9
POLYDACTYLUS OCTONEMUS	6	290.5
MICROPOGON UNDULATUS	17	828.2
TOTALS 16	65	1995.0

TRANSECT 4 STATION 6 D TRAWL 77 FALL
09/26/77 TIME: 1254 SAMPLE CODE: BQYQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	8.2
TRICHOPSETTA VENTRALIS	1	9.7
PRIONOTUS PARALATUS	2	22.0
SPHOEROIDES PARVUS	1	59.5
PRIONOTUS STEARNSI	9	76.0
MICROPOGON UNDULATUS	1	102.9
ANCYLOPSETTA QUADROCELLATA	1	134.3
LAGODON RHOMBOIDES	2	145.2
PEPRILUS BURTI	4	203.2
STENOTOMUS CAPRINUS	6	207.5
CENTROPRISTIS PHILADELPHICA	5	283.1
TRACHURUS LATHAMI	33	408.6
UPENEUS PARVUS	28	626.7
PRISTIPOMOIDES AQUILONARIS	22	688.0
PRIACANTHUS ARENATUS	8	722.3
CAULOLATILUS INTERMEDIUS	15	873.4
SERRANUS ATROBRANCHUS	84	1536.5
SYNODUS FOETENS	21	2458.4
TOTALS 18	244	8565.5

TRANSECT 4 STATION 6 N TRAWL 77 FALL
09/26/77 TIME: 2110 SAMPLE CODE: BQYU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	9.1
SYACIUM GUNTERI	1	9.2
PRIONOTUS STEARNSI	1	10.7
SYNODUS POEYI	2	16.6
PRIONOTUS RUBIO	1	26.9
TRICHOPSETTA VENTRALIS	1	38.3
TRACHURUS LATHAMI	3	38.8
LEIOSTOMUS XANTHURUS	1	88.1
POLYDACTYLUS OCTONEMUS	2	114.9
LAGOCEPHALUS LAEVIGATUS	2	148.6
SERRANUS ATROBRANCHUS	18	181.9
PRIONOTUS PARALATUS	18	226.8
UPENEUS PARVUS	9	245.6
CENTROPRISTIS PHILADELPHICA	9	262.3
MULLUS AURATUS	8	329.6
PRISTIPOMOIDES AQUILONARIS	16	493.3
MICROPOGON UNDULATUS	11	603.0
CAULOLATILUS INTERMEDIUS	14	822.3
STENOTOMUS CAPRINUS	82	1905.3
TOTALS 19	200	5571.3

TRANSECT 4 STATION 7 D TRAWL 77 FALL
09/26/77 TIME: 1652 SAMPLE CODE: BRAG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	9.5
PRIONOTUS STEARNSI	1	12.8
OGCOCEPHALUS SPECIES	1	15.4
HALIEUTICHTHYS ACULEATUS	3	16.3
PRIONOTUS RUBIO	1	58.7
ANCYLOPSETTA DILECTA	4	68.7
SPHOEROIDES SPENGLERI	2	81.1
CENTROPRISTIS PHILADELPHICA	1	86.1
UPENEUS PARVUS	4	120.3
TRACHURUS LATHAMI	15	220.0
PRIONOTUS PARALATUS	15	247.4
UROPHYCIS CIRRATUS	4	257.0
SERRANUS ATROBRANCHUS	38	802.0
CAULOLATILUS INTERMEDIUS	16	902.7
NEOMERINTHE HEMINGWAYI	2	1068.2
PRISTIPOMOIDES AQUILONARIS	10	1135.1
TOTALS 16	118	5101.3

TRANSECT 4 STATION 7 N TRAWL 77 FALL
09/26/77 TIME: 1910 SAMPLE CODE: BRAK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	1	11.5
OGCOCEPHALUS SPECIES	2	28.8
SPHOEROIDES SPENGLERI	1	30.0
GYMNACHIRUS TEXAE	4	53.4
MYROPHIS PUNCTATUS	1	66.2
PRIONOTUS RUBIO	1	73.2
TRICHOPSETTA VENTRALIS	4	87.8
ANCYLOPSETTA DILECTA	5	94.3
HALIEUTICHTHYS ACULEATUS	26	157.5
PRIONOTUS PARALATUS	16	218.1
CENTROPRISTIS PHILADELPHICA	1	219.2
CYCLOPSETTA CHITTENDENI	1	251.2
CAULOLATILUS INTERMEDIUS	8	466.3
SERRANUS ATROBRANCHUS	27	473.1
OPSANUS PARDUS	1	554.2
PRISTIPOMOIDES AQUILONARIS	8	889.6
TOTALS 16	107	3674.4

TRANSECT 1 STATION 1 D TRAWL 77 FALL
10/07/77 TIME: 719 SAMPLE CODE: BPBW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STELLIFER LANCEOLATUS	1	3.3
SPHOEROIDES PARVUS	1	3.7
SERRANUS ATROBRANCHUS	1	7.1
EUCINOSTOMUS GULA	1	9.5
GYMNACHIRUS TEXAE	2	9.6
ETROPUS CROSSOTUS	3	21.8
LEPOPHIDIUM GRAELLSI	1	24.2
OGCOCEPHALUS SPECIES	5	38.8
PORICHTHYS POROSISSIMUS	3	45.5
PRIONOTUS RUBIO	4	54.2
CYNOSCION NOTHUS	19	63.2
HALIEUTICHTHYS ACULEATUS	14	72.5
BAGRE MARINUS	2	77.4
CHAETODIPTERUS FABER	2	86.9
CITHARICHTHYS SPILOPTERUS	11	114.3
CYNOSCION ARENARIUS	1	126.4
PEPRILUS BURTI	6	143.4
SYACIUM GUNTERI	31	221.9
MENTICIRRHUS FOCALINGER	1	231.2
POLYDACTYLUS OCTONEMUS	31	1318.4
MICROPOGON UNDULATUS	444	5500.4
TOTALS 21	584	8173.7

TRANSECT 1 STATION 1 N TRAWL 77 FALL
10/07/77 TIME: 200 SAMPLE CODE: BPCA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	1	3.3
OGCOCEPHALUS SPECIES	1	7.0
SAURIDA BRASILIENSIS	1	11.2
HOPLUNNIS MACRURUS	1	12.9
SPHOEROIDES PARVUS	4	18.3
HALIEUTICHTHYS ACULEATUS	3	18.5
GYMNACHIRUS TEXAE	3	28.0
ETROPUS CROSSOTUS	3	35.4
LEPOPHIDIUM GRAELLSI	2	38.2
PORICHTHYS POROSISSIMUS	6	92.4
ARIUS FELIS	1	179.1
CHAETODIPTERUS FABER	10	290.4
SYACIUM GUNTERI	12	350.1
MICROPOGON UNDULATUS	24	761.3
POLYDACTYLUS OCTONEMUS	19	917.7
TOTALS 15	91	2763.8

TRANSECT 1 STATION 2 D TRAWL 77 FALL
10/07/77 TIME: 1200 SAMPLE CODE: BPDV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	6.4
SAURIDA BRASILIENSIS	3	17.0
LARIMUS FASCIATUS	1	42.3
CHLOROSCOMBRUS CHRYSURUS	2	42.5
UPENEUS PARVUS	2	43.3
UROPHYCIS CIRRATUS	2	44.4
CYCLOPSETTA CHITTENDENI	2	59.2
SARDINELLA ANCHOVIA	1	63.6
PORICHTHYS POROSISSIMUS	7	80.4
POLYDACTYLUS OCTONEMUS	2	103.6
LUTJANUS CAMPECHANUS	7	110.0
SYNODUS POEYI	2	111.9
SYACIUM GUNTERI	6	117.6
PRIONOTUS RUBIO	4	135.5
DIPLECTRUM BIVITTATUM	9	208.7
LEPOPHIDIUM GRAELLSI	7	225.4
SYNODUS FOETENS	5	238.4
HARENGULA PENSACOLAE	5	251.5
TRICHIURUS LEPTURUS	3	252.9
STENOTOMUS CAPRINUS	14	328.4
TRACHURUS LATHAMI	27	470.9
PRIONOTUS PARALATUS	40	555.9
PEPRILUS BURTI	18	616.9
CYNOSCION ARENARIUS	10	919.4
MICROPOGON UNDULATUS	58	2454.9
TOTALS 25	238	7501.0

TRANSECT 1 STATION 2 N TRAWL 77 FALL
10/07/77 TIME: 4 SAMPLE CODE: BPDZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCORPAENA CALCARTA	1	3.6
ENGYOPHRYS SENTA	1	4.3
PRISTIPOMOIDES AQUILONARIS	3	7.2
BOLLMANNIA COMMUNIS	1	8.1
GYMNACHIRUS TEXAE	1	9.6
LEPOPHIDIUM GRAELLSI	2	19.7
SERRANUS ATROBRANCHUS	2	21.7
LUTJANUS CAMPECHANUS	3	52.1
PRIONOTUS RUBIO	2	52.1
CENTROPRISTIS PHILADELPHICA	7	54.5
PEPRILUS BURTI	1	59.2
STENOTOMUS CAPRINUS	5	107.3
CYNOSCION ARENARIUS	1	108.2
OGCOCEPHALUS SPECIES	1	148.3
MICROPOGON UNDULATUS	5	256.6
SYNODUS FOETENS	6	314.3
SYACIUM GUNTERI	23	314.3
DIPLECTRUM BIVITTATUM	18	327.2
TOTALS 18	83	1868.3

TRANSECT 1 STATION 3 D TRAWL 77 FALL
10/06/77 TIME: 1635 SAMPLE CODE: BPFU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	7.2
OGCOCEPHALUS SPECIES	1	17.6
PRIONOTUS STEARNSI	2	21.6
DECODON PUELLARIS	1	67.1
TRICHOPSETTA VENTRALIS	5	84.2
ANCYLOPSETTA DILECTA	3	124.2
CAULOLATILUS INTERMEDIUS	3	129.4
TRACHURUS LATHAMI	16	276.2
UPENEUS PARVUS	13	329.8
STENOTOMUS CAPRINUS	7	376.6
SERRANUS ATROBRANCHUS	21	387.7
PONTINUS LONGISPINIS	19	521.7
PRIONOTUS PARALATUS	27	740.4
PRISTIPOMOIDES AQUILONARIS	19	974.6
TOTALS 14	138	4018.3

TRANSECT 1 STATION 3 N TRAWL 77 FALL
10/06/77 TIME: 1933 SAMPLE CODE: BPFY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
OGCOCEPHALUS SPECIES	1	15.9
HALIEUTICHTHYS ACULEATUS	3	18.6
ANCYLOPSETTA DILECTA	2	26.8
LEPOPHIDIUM GRAELLSI	1	29.7
TRACHURUS LATHAMI	2	62.4
UPENEUS PARVUS	3	74.7
TRICHOPSETTA VENTRALIS	5	75.7
LAGODON RHOMBOIDES	1	84.0
MYROPHIS PUNCTATUS	2	136.2
CENTROPRISTIS PHILADELPHICA	1	190.7
SERRANUS ATROBRANCHUS	25	491.8
PRIONOTUS PARALATUS	38	840.1
PRISTIPOMOIDES AQUILONARIS	11	1079.1
PONTINUS LONGISPINIS	27	1168.9
STENOTOMUS CAPRINUS	28	1560.4
TOTALS 15	150	5855.0

TRANSECT 1 STATION 4 D TRAWL 77 FALL
10/07/77 TIME: 826 SAMPLE CODE: BPHK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ACHIRUS LINEATUS	1	5.1
PORICHTHYS POROSISSIMUS	1	5.1
CHAETODIPTERUS FABER	1	5.9
HALIEUTICHTHYS ACULEATUS	1	7.5
OGCOCEPHALUS SPECIFS	1	7.9
EUCINOSTOMUS GULA	1	8.1
SPHOEROIDES PARVUS	3	13.7
ANCHOA HEPSETUS	1	17.0
CYNOSCION NOTHUS	10	18.8
SYACIUM GUNTERI	3	26.3
OPHIDION WELSHI	1	32.0
CITHARICHTHYS SPILOPTERUS	3	35.4
BAGRE MARINUS	1	44.2
ETROPUS CROSSOTUS	3	52.4
STELLIFER LANCEOLATUS	2	70.7
MENTICIRRHUS AMERICANUS	1	85.5
POLYDACTYLUS OCTONEMUS	2	106.7
PEPRILUS BURTI	16	334.5
MICROPOGON UNDULATUS	10	345.8
TOTALS 19	62	1222.6

TRANSECT 1 STATION 4 N TRAWL 77 FALL
10/07/77 TIME: 430 SAMPLE CODE: BPHO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA HEPSETUS	1	3.3
STELLIFER LANCEOLATUS	3	6.7
CYNOSCION NOTHUS	7	17.7
SYACIUM GUNTERI	4	26.6
LEPOPHIDIUM GRAELLSI	1	28.4
PRIONOTUS RUBIO	2	37.2
CITHARICHTHYS SPILOPTERUS	4	39.3
SPHOEROIDES PARVUS	12	41.1
ETROPUS CROSSOTUS	3	43.0
POLYDACTYLUS OCTONEMUS	1	44.3
CHAETODIPTERUS FABER	5	49.9
MENTICIRRHUS AMERICANUS	1	97.5
BAGRE MARINUS	5	169.8
MICROPOGON UNDULATUS	24	651.8
TOTALS 14	73	1256.6

TRANSECT 1 STATION 5 D TRAWL 77 FALL
10/07/77 TIME: 1507 SAMPLE CODE: BPJA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	4.9
PORICHTHYS POROSISSIMUS	1	7.2
SAURIDA BRASILIENSIS	2	9.3
PRISTIPOMOIDES AQUILONARIS	3	38.9
PRIONOTUS STEARNSI	5	50.5
CENTROPRISTIS PHILADELPHICA	1	54.1
LAGOCEPHALUS LAEVIGATUS	1	58.0
TRICHIURUS LEPTURUS	2	62.2
MICROPOGON UNDULATUS	1	85.4
STENOTOMUS CAPRINUS	8	114.8
SERRANUS ATROBRANCHUS	10	158.9
PEPRILUS BURTI	5	217.3
UPENEUS PARVUS	5	286.0
CALAMUS LEUCOSTEUS	1	474.2
CYNOSCION ARENARIUS	4	646.4
SYNODUS FOETENS	7	666.8
TRACHURUS LATHAMI	83	1129.9
TOTALS 17	140	4064.8

TRANSECT 1 STATION 5 N TRAWL 77 FALL
10/06/77 TIME: 2209 SAMPLE CODE: BPJE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	7.4
SYNODUS POEYI	2	10.1
SPHOEROIDES PARVUS	1	11.0
PRIONOTUS STEARNSI	1	13.5
PRIONOTUS RUBIO	1	33.0
TRICHOPSETTA VENTRALIS	2	42.9
GYMNACHIRUS TEXAE	4	52.5
PEPRILUS BURTI	1	66.2
SYNODUS FOETENS	1	98.4
PRISTIPOMOIDES AQUILONARIS	1	100.5
LAGOCEPHALUS LAEVIGATUS	2	106.3
PRIONOTUS PARALATUS	8	107.7
SERRANUS ATROBRANCHUS	9	167.2
CENTROPRISTIS PHILADELPHICA	8	404.9
CYNOSCION ARENARIUS	3	536.2
STENOTOMUS CAPRINUS	23	671.3
TOTALS 16	68	2429.1

TRANSECT 1 STATION 6 D TRAWL 77 FALL
10/06/77 TIME: 1527 SAMPLE CODE: BPKQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHOPSETTA VENTRALIS	1	18.1
UPENEUS PARVUS	3	85.1
PRIONOTUS STEARNSI	3	92.9
PEPRILUS BURTI	3	134.1
CAULOLATILUS INTERMEDIUS	1	134.1
PRIONOTUS PARALATUS	5	153.0
CENTROPRISTIS PHILADELPHICA	1	194.9
TRACHURUS LATHAMI	35	394.1
SERRANUS ATROBRANCHUS	21	411.0
STENOTOMUS CAPRINUS	14	854.2
SYNODUS FOETENS	7	1014.6
PRISTIPOMOIDES AQUILONARIS	13	1427.4
TOTALS 12	107	4913.5

TRANSECT 1 STATION 6 N TRAWL 77 FALL
10/06/77 TIME: 2057 SAMPLE CODE: BPKU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS MACRURUS	1	3.5
GYMNACHIRUS TEXAE	1	12.3
PORICHTHYS POROSISSIMUS	2	15.0
HALIEUTICHTHYS ACULEATUS	4	24.6
ANCYLOPSETTA DILECTA	2	32.1
CAULOLATILUS INTERMEDIUS	1	37.5
PRIONOTUS RUBIO	1	52.3
UPENEUS PARVUS	2	59.5
TRICHOPSETTA VENTRALIS	7	83.6
UROPHYCIS CIRRATUS	5	86.0
MICROPOGON UNDULATUS	1	109.2
CENTROPRISTIS PHILADELPHICA	2	143.4
CYNOSCION ARENARIUS	1	146.7
LEPOPHIDIUM GRAELLSI	6	200.2
EQUETUS ACUMINATUS	6	227.2
PRISTIPOMOIDES AQUILONARIS	8	747.9
PRIONOTUS PARALATUS	38	761.0
SERRANUS ATROBRANCHUS	98	1765.7
STENOTOMUS CAPRINUS	40	1909.6
TOTALS 19	226	6417.3

TRANSECT 2 STATION 1 D TRAWL 77 FALL
10/04/77 TIME: 1453 SAMPLE CODE: BPQZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ETROPUS CROSSOTUS	1	3.8
BOLLMANNIA COMMUNIS	1	3.8
HALIEUTICHTHYS ACULEATUS	1	6.1
SPHOEROIDES PARVUS	1	6.1
CENTROPRISTIS PHILADELPHICA	1	7.4
ANCHOA HEPSETUS	1	11.0
SPHOEROIDES PARVUS	4	13.7
PORICHTHYS POROSISSIMUS	1	14.8
PEPRILUS BURTI	2	30.8
GYMNACHIRUS TEXAE	5	42.1
CITHARICHTHYS SPILOPTERUS	7	44.8
CYCLOPSETTA CHITTENDENI	2	48.8
CHAETODIPTERUS FABER	4	50.2
DIPLECTRUM BIVITTATUM	4	62.0
ANCYLOPSETTA QUADROCELLATA	1	90.1
HARENGULA PENSACOLAE	5	114.1
ARIUS FELIS	1	134.8
CYNOSCION ARENARIUS	2	171.1
CYNOSCION NOTHUS	49	205.8
PRIONOTUS RUBIO	10	268.0
SYACIUM GUNTERI	41	433.8
POLYDACTYLUS OCTONEMUS	32	1436.2
MICROPOGON UNDULATUS	136	6874.2
TOTALS 23	312	10073.5

TRANSECT 2 STATION 1 D TRAWL 77 FALL
10/04/77 TIME: 1516 SAMPLE CODE: BPTT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	4.0
CENTROPRISTIS PHILADELPHICA	1	4.4
HALIEUTICHTHYS ACULEATUS	1	4.7
GYMNACHIRUS TEXAE	1	7.7
OGCOCEPHALUS SPECIES	1	9.2
CHAETODIPTERUS FABER	1	11.9
DIPLECTRUM BIVITTATUM	2	18.5
SYNODUS POEYI	1	21.6
CYCLOPSETTA CHITTENDENI	1	46.2
PRIONOTUS PARALATUS	3	49.0
BOLLMANNIA COMMUNIS	2	55.9
PORICHTHYS POROSISSIMUS	4	73.6
CYNOSCION NOTHUS	59	195.9
SYACIUM GUNTERI	16	205.5
PEPRILUS BURTI	11	211.2
CYNOSCION ARENARIUS	8	886.5
POLYDACTYLUS OCTONEMUS	20	900.0
MICROPOGON UNDULATUS	308	5703.7
TOTALS 18	441	8409.5

TRANSECT 2 STATION 1 N TRAWL 77 FALL
10/04/77 TIME: 1923 SAMPLE CODE: BPTX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LUTJANUS CAMPECHANUS	1	4.7
CENTROPRISTIS PHILADELPHICA	1	11.3
GYMNACHIRUS TEXAE	1	14.3
SPHOEROIDES PARVUS	3	15.3
DIPLECTRUM BIVITTATUM	2	22.3
CITHARICHTHYS SPILOPTERUS	2	29.3
HARENGULA PENSACOLAE	1	32.0
OGCOCEPHALUS SPECIES	4	33.7
HALIEUTICHTHYS ACULEATUS	6	35.8
PORICHTHYS POROSISSIMUS	2	36.0
CYNOSCION NOTHUS	24	66.7
PRIONOTUS RUBIO	6	88.5
PEPRILUS BURTI	6	115.0
CYNOSCION ARENARIUS	2	204.6
POLYDACTYLUS OCTONEMUS	5	224.2
ARIUS FELIS	2	229.4
SYACIUM GUNTERI	35	455.6
MICROPOGON UNDULATUS	293	14733.9
TOTALS 18	396	16352.6

TRANSECT 2 STATION 1 N TRAWL 77 FALL
10/04/77 TIME: 1859 SAMPLE CODE: BPRD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	4.4
ETROPUS CROSSOTUS	1	11.0
SPHOEROIDES PARVUS	5	21.6
CITHARICHTHYS SPILOPTERUS	3	26.5
CENTROPRISTIS PHILADELPHICA	2	27.5
OGCOCEPHALUS SPECIES	3	27.8
LARIMUS FASCIATUS	1	36.1
GYMNACHIRUS TEXAE	3	37.2
PORICHTHYS POROSISSIMUS	2	37.9
CYNOSCION ARENARIUS	1	57.5
PEPRILUS BURTI	2	68.6
CHAETODIPTERUS FABER	7	91.4
CYNOSCION NOTHUS	32	105.2
ARIUS FELIS	1	125.5
PRIONOTUS RUBIO	10	154.0
POLYDACTYLUS OCTONEMUS	5	242.2
SYACIUM GUNTERI	22	312.5
DASYATIS SAYI	1	1210.0
MICROPOGON UNDULATUS	149	6686.6
TOTALS 19	251	9283.5

TRANSECT 2 STATION 1 N TRAWL 77 FALL
10/04/77 TIME: 1945 SAMPLE CODE: BPUA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	5.7
DIPLECTRUM BIVITTATUM	1	9.0
TRICHIURUS LEPTURUS	3	14.1
SPHOEROIDES PARVUS	6	28.9
CENTROPRISTIS PHILADELPHICA	4	35.4
PEPRILUS BURTI	2	41.6
GYMNACHIRUS TEXAE	4	49.8
CYCLOPSETTA CHITTENDENI	17	55.1
CYCLOPSETTA CHITTENDENI	1	55.7
CHAETODIPTERUS FABER	4	87.6
PRIONOTUS RUBIO	5	87.8
OGCOCEPHALUS SPECIES	2	276.2
POLYDACTYLUS OCTONEMUS	11	443.7
SYACIUM GUNTERI	34	461.5
CYNOSCION ARENARIUS	4	473.2
ARIUS FELIS	4	545.9
MICROPOGON UNDULATUS	162	7887.2
TOTALS 17	265	10558.4

TRANSECT 2 STATION 2 D TRAWL 77 FALL
10/05/77 TIME: 844 SAMPLE CODE: BPTA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	8.7
PRISTIPOMOIDES AQUILONARIS	4	9.7
CITHARICHTHYS SPILOPTERUS	1	10.2
SAURIDA BRASILIENSIS	3	13.3
SERRANUS ATROBRANCHUS	2	14.3
STENOTOMUS CAPRINUS	1	17.1
DIPLECTRUM BIVITTATUM	3	37.7
CHLOROSCOMBRUS CHRYSURUS	1	40.0
SYACIUM GUNTERI	4	51.5
VOMER SETAPINNIS	1	67.0
MICROPOGON UNDULATUS	2	77.8
TRACHURUS LATHAMI	5	102.8
SYNODUS FOETENS	2	169.7
TOTALS 13	30	619.8

TRANSECT 2 STATION 2 D TRAWL 77 FALL
10/05/77 TIME: 913 SAMPLE CODE: BPTD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	1	2.5
LAGOCEPHALUS LAEVIGATUS	1	13.0
UPENEUS PARVUS	1	22.5
TRACHURUS LATHAMI	4	57.3
SYACIUM GUNTERI	3	60.3
CHLOROSCOMBRUS CHRYSURUS	2	69.6
CENTROPRISTIS PHILADELPHICA	1	72.4
STENOTOMUS CAPRINUS	5	75.7
HARENGULA PENSACOLAE	4	85.1
LUTJANUS CAMPECHANUS	4	87.0
SERRANUS ATROBRANCHUS	9	88.0
LAGODON RHOMBOIDES	2	88.4
DIPLECTRUM BIVITTATUM	12	255.8
PEPRILUS BURTI	6	291.3
MICROPOGON UNDULATUS	8	421.7
CYNOSCION ARENARIUS	5	535.3
SYNODUS FOETENS	8	667.3
TOTALS 17	76	2893.2

TRANSECT 2 STATION 2 N TRAWL 77 FALL
10/04/77 TIME: 2320 SAMPLE CODE: BPTH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	3.2
ENGYOPHRYS SENTA	1	6.5
GYMNACHIRUS TEXAE	1	11.9
OGCOCEPHALUS SPECIES	1	12.4
PRISTIPOMOIDES AQUILONARIS	6	15.2
CITHARICHTHYS SPILOPTERUS	2	19.3
PRIONOTUS RUBIO	2	34.1
SAURIDA BRASILIENSIS	6	41.2
STENOTOMUS CAPRINUS	3	45.8
LUTJANUS CAMPECHANUS	3	77.8
LAGODON RHOMBOIDES	2	80.8
LEPOPHIDIUM GRAELLSI	4	89.2
SYNODUS FOETENS	1	94.7
CENTROPRISTIS PHILADELPHICA	14	144.4
TRICHIURUS LEPTURUS	1	177.8
DIPLECTRUM BIVITTATUM	12	190.9
MICROPOGON UNDULATUS	4	197.1
CYCLOPSETTA CHITTENDENI	2	222.3
CYNOSCION ARENARIUS	2	251.1
SERRANUS ATROBRANCHUS	44	307.3
SYACIUM GUNTERI	42	701.3
TOTALS 21	154	2724.3

TRANSECT 2 STATION 2 N TRAWL 77 FALL
10/04/77 TIME: 2348 SAMPLE CODE: BPTK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	4.2
PORICHTHYS POROSISSIMUS	1	5.1
PRIONOTUS PARALATUS	1	9.8
LEPOPHIDIUM GRAELLSI	1	12.8
BOLLMANNIA COMMUNIS	3	12.9
GYMNACHIRUS TEXAE	1	15.1
HARENGULA PENSACOLAE	1	18.7
PRISTIPOMOIDES AQUILONARIS	12	31.7
PRIONOTUS STEARNSI	1	34.9
STENOTOMUS CAPRINUS	3	49.9
SAURIDA BRASILIENSIS	8	50.4
BREVOORTIA PATRONUS	1	78.2
CENTROPRISTIS PHILADELPHICA	9	80.5
LUTJANUS CAMPECHANUS	6	94.8
CYNOSCION ARENARIUS	1	101.9
CYCLOPSETTA CHITTENDENI	1	109.0
PRIONOTUS RUBIO	5	110.1
SYACIUM GUNTERI	9	129.3
SERRANUS ATROBRANCHUS	17	142.5
DIPLECTRUM BIVITTATUM	13	147.6
MICROPOGON UNDULATUS	5	339.2
TOTALS 21	100	1578.6

TRANSECT 2 STATION 2 N TRAWL 77 FALL
10/05/77 TIME: 123 SAMPLE CODE: BPTN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCORPAENA CALCARTA	2	5.7
SYNODUS POEYI	4	14.4
HOPLUNNIS MACRURUS	1	20.3
BOLLMANNIA COMMUNIS	4	21.2
PRISTIPOMOIDES AQUILONARIS	8	23.2
LEPOPHIDIUM GRAELLSI	2	26.9
PORICHTHYS POROSISSIMUS	2	30.9
SYNODUS FOETENS	1	37.5
STENOTOMUS CAPRINUS	3	43.1
CITHARICHTHYS SPILOPTERUS	3	45.6
SAURIDA BRASILIENSIS	11	54.9
LUTJANUS CAMPECHANUS	3	56.3
LAGODON RHOMBOIDES	1	73.9
PRIONOTUS RUBIO	5	91.6
CENTROPRISTIS PHILADELPHICA	10	168.5
SERRANUS ATROBRANCHUS	36	246.9
SYACIUM GUNTERI	22	306.4
DIPLECTRUM BIVITTATUM	23	315.7
MICROPOGON UNDULATUS	6	323.5
TOTALS 19	147	1906.5

TRANSECT 2 STATION 3 D TRAWL 77 FALL
10/05/77 TIME: 1731 SAMPLE CODE: BPVT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	2	14.3
UPENEUS PARVUS	1	22.2
TRICHOPSETTA VENTRALIS	3	24.6
PONTINUS LONGISPINIS	1	31.0
SYNODUS FOETENS	1	75.7
TRACHURUS LATHAMI	4	93.0
PRIACANTHUS ARENATUS	1	185.6
BROTULA BARBATA	1	310.2
PRIONOTUS PARALATUS	14	336.6
SERRANUS ATROBRANCHUS	29	634.5
STENOTOMUS CAPRINUS	21	1252.9
PRISTIPOMOIDES AQUILONARIS	17	1440.3
TOTALS 12	95	4420.9

TRANSECT 2 STATION 3 D TRAWL 77 FALL
10/05/77 TIME: 1803 SAMPLE CODE: BPVW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHOPSETTA VENTRALIS	1	17.4
ANCYLOPSETTA DILECTA	3	50.9
UPENEUS PARVUS	3	83.2
TRACHURUS LATHAMI	7	154.4
PONTINUS LONGISPINIS	6	178.6
SERRANUS ATROBRANCHUS	11	216.6
PRIONOTUS PARALATUS	9	233.7
CAULOLATILUS INTERMEDIUS	5	446.0
STENOTOMUS CAPRINUS	8	521.5
PRISTIPOMOIDES AQUILONARIS	36	1912.5
TOTALS 10	89	3814.8

TRANSECT 2 STATION 1 N TRAWL 77 NOVEMBER
11/20/77 TIME: 1934 SAMPLE CODE: BSSO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHIURUS LEPTURUS	1	1.5
PEPRILUS ALEPIDOTUS	1	2.9
CHAETODIPTERUS FABER	1	5.9
PORICHTHYS POROSISSIMUS	1	11.1
SPHOEROIDES PARVUS	2	12.0
CENTROPRISTIS PHILADELPHICA	1	18.3
ETROPUS CROSSOTUS	1	26.3
POLYDACTYLUS OCTONEMUS	1	59.8
SYACIUM GUNTERI	9	85.2
MICROPOGON UNDULATUS	4	171.8
CYNOSCION NOTHUS	42	342.9
OGCOCEPHALUS SPECIES	1	586.5
TOTALS 12	65	1324.2

TRANSECT 2 STATION 2 N TRAWL 77 NOVEMBER
11/20/77 TIME: 2239 SAMPLE CODE: BSTF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	7.2
ENGYOPHRYS SENTA	2	8.1
BOLLMANNIA COMMUNIS	3	14.3
MYROPHIS PUNCTATUS	1	14.4
PRISTIPOMOIDES AQUILONARIS	5	24.4
LUTJANUS CAMPECHANUS	2	29.5
PORICHTHYS POROSISSIMUS	3	35.6
SYNODUS POEYI	9	45.6
CENTROPRISTIS PHILADELPHICA	3	55.8
LEPOPHIDIUM GRAELLSI	2	62.6
PRIONOTUS RUBIO	1	91.4
SYNODUS FOETENS	2	115.4
POLYDACTYLUS OCTONEMUS	2	133.5
SYACIUM GUNTERI	15	173.6
PRIONOTUS PARALATUS	19	221.8
DIPLECTRUM BIVITTATUM	30	288.1
CYNOSCION NOTHUS	6	340.6
SERRANUS ATROBRANCHUS	41	348.7
MICROPOGON UNDULATUS	11	680.5
TOTALS 19	158	2691.1

TRANSECT 2 STATION 1 N TRAWL 77 NOVEMBER
11/20/77 TIME: 1847 SAMPLE CODE: BSSI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHIURUS LEPTURUS	1	5.2
SPHOEROIDES PARVUS	1	5.5
CITHARICHTHYS SPILOPTERUS	1	11.0
PORICHTHYS POROSISSIMUS	2	32.7
LEPOPHIDIUM GRAELLSI	1	33.2
SYACIUM GUNTERI	5	36.3
CENTROPRISTIS PHILADELPHICA	2	40.5
SYNODUS FOETENS	2	55.0
MICROPOGON UNDULATUS	2	99.7
CYNOSCION ARENARIUS	1	116.5
CYNOSCION NOTHUS	37	412.4
TOTALS 11	55	848.0

TRANSECT 2 STATION 3 N TRAWL 77 NOVEMBER
11/30/77 TIME: 2002 SAMPLE CODE: BSTQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS TENUIS	1	3.2
TRICHOPSETTA VENTRALIS	1	16.4
ANCYLOPSETTA DILECTA	1	19.4
TRACHURUS LATHAMI	1	36.2
BEMBROPS ANATIROSTRIS	1	48.3
PRIONOTUS PARALATUS	21	258.3
PONTINUS LONGISPINIS	5	267.0
SERRANUS ATROBRANCHUS	18	364.1
PRISTIPOMOIDES AQUILONARIS	5	409.2
STENOTOMUS CAPRINUS	18	808.2
TOTALS 10	72	2230.3

TRANSECT 2 STATION 3 N TRAWL 77 NOVEMBER
11/30/77 TIME: 2112 SAMPLE CODE: BSTW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	5.2
HOPLUNNIS TENUIS	1	7.3
TRICHOPSETTA VENTRALIS	1	19.5
TRACHURUS LATHAMI	2	81.0
SYNODUS FOETENS	1	184.2
PRIONOTUS PARALATUS	35	622.0
SERRANUS ATROBRANCHUS	39	747.0
STENOTOMUS CAPRINUS	21	1271.3
PRISTIPOMOIDES AQUILONARIS	17	1383.5
TOTALS 9	118	4321.0

TRANSECT 2 STATION 1 N TRAWL 77 NOVEMBER
11/20/77 TIME: 1909 SAMPLE CODE: BSSL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	3.8
PRIONOTUS STEARNSI	1	6.4
CENTROPRISTIS PHILADELPHICA	1	16.0
SYMPHURUS PLAGIUSA	1	19.8
UROPHYCIS CIRRATUS	1	23.8
TRICHIURUS LEPTURUS	4	25.7
SYNODUS FOETENS	2	25.7
SYACIUM GUNTERI	7	42.5
PORICHTHYS POROSISSIMUS	3	44.3
MICROPOGON UNDULATUS	2	44.7
LEIOSTOMUS XANTHURUS	1	95.2
POLYDACTYLUS OCTONEMUS	2	106.7
CYNOSCION NOTHUS	28	401.5
TOTALS 13	54	856.1

TRANSECT 2 STATION 2 N TRAWL 77 NOVEMBER
11/20/77 TIME: 2140 SAMPLE CODE: BSSZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCORPAENA DISPAR	1	5.3
ETROPUS CROSSOTUS	1	6.7
PORICHTHYS POROSISSIMUS	1	8.3
SYNODUS POEYI	3	14.5
BOLLMANNIA COMMUNIS	3	16.3
BOLLMANNIA COMMUNIS	3	17.9
PRIONOTUS STEARNSI	3	18.8
MYROPHIS PUNCTATUS	1	23.9
GYMNACHIRUS TEXAE	2	28.5
PRISTIPOMOIDES AQUILONARIS	8	36.7
LAGODON RHOMBOIDES	1	36.9
STELLIFER LANCEOLATUS	1	38.1
PRIONOTUS PARALATUS	4	50.3
CENTROPRISTIS PHILADELPHICA	4	65.1
LUTJANUS CAMPECHANUS	2	66.9
PRIONOTUS RUBIO	2	73.5
SYNODUS FOETENS	2	97.3
LEIOSTOMUS XANTHURUS	1	149.1
SERRANUS ATROBRANCHUS	17	159.1
CYNOSCION ARENARIUS	1	160.0
POLYDACTYLUS OCTONEMUS	3	181.4
DIPLECTRUM BIVITTATUM	14	196.3
SYACIUM GUNTERI	20	247.2
MICROPOGON UNDULATUS	10	452.6
CYNOSCION NOTHUS	15	1028.9
TOTALS 25	123	3179.6

TRANSECT 2 STATION 2 N TRAWL 77 NOVEMBER
11/20/77 TIME: 2211 SAMPLE CODE: BSTC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	4	19.9
CENTROPRISTIS PHILADELPHICA	1	22.0
SYACIUM GUNTERI	5	35.3
LUTJANUS CAMPECHANUS	2	46.7
POLYDACTYLUS OCTONEMUS	1	67.0
SERRANUS ATROBRANCHUS	16	128.2
PRIONOTUS STEARNSI	11	136.2
DIPLECTRUM BIVITTATUM	15	195.9
MICROPOGON UNDULATUS	6	350.9
CYNOSCION NOTHUS	8	532.6
TOTALS 10	69	1534.7

TRANSECT 2 STATION 3 N TRAWL 77 NOVEMBER
11/30/77 TIME: 2040 SAMPLE CODE: BSTT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
EQUETUS ACUMINATUS	1	5.2
LEPOPHIDIUM GRAELLSI	1	33.9
PONTINUS LONGISPINIS	2	40.7
PRIONOTUS RUBIO	1	73.0
ANCYLOPSETTA DILECTA	5	92.2
TRACHURUS LATHAMI	3	133.1
CENTROPRISTIS PHILADELPHICA	1	235.9
PRIONOTUS PARALATUS	39	512.0
SERRANUS ATROBRANCHUS	59	1121.5
PRISTIPOMOIDES AQUILONARIS	12	1170.9
STENOTOMUS CAPRINUS	42	2252.0
TOTALS 11	166	5670.4

TRANSECT 02 STATION 01 N TRAWL 77 DECEMBER
12/19/77 TIME: 0240 SAMPLE CODE: BUEM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BREGMACEROS ATLANTICUS	1	1.2
SAURIDA BRASILIENSIS	1	3.4
SCORPAENA DISPAR	1	6.8
PRIONOTUS PARALATUS	1	11.0
CITHARICHTHYS SPILOPTERUS	1	11.0
OGCOCEPHALUS SPECIES	2	11.3
SPHOEROIDES PARVUS	3	11.9
BOLLMANNIA COMMUNIS	5	16.5
SYMPHURUS PLAGIUSA	1	16.7
CENTROPRISTIS PHILADELPHICA	1	19.1
PORICHTHYS POROSISSIMUS	3	26.4
ETROPUS CROSSOTUS	2	31.2
MICROPOGON UNDULATUS	2	95.0
DIPLECTRUM BIVITTATUM	9	96.9
CYNOSCION NOTHUS	16	269.5
SYACIUM GUNTERI	85	827.0
TOTALS 16	134	1454.9

TRANSECT 02 STATION 02 N TRAWL 77 DECEMBER
12/18/77 TIME: 2325 SAMPLE CODE: BUFD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS FOETENS	1	5.4
ETROPUS CROSSOTUS	1	7.0
SIENOTOMUS CAPRINUS	1	24.0
UROPHYCIS CIRRATUS	1	24.0
CENTROPRISTIS PHILADELPHICA	1	25.3
BOLLMANNIA COMMUNIS	5	25.4
PORICHTHYS POROSISSIMUS	3	29.2
BALISTES CAPRISCUS	1	37.2
PRISTIPOMOIDES AQUILONARIS	9	41.1
SERRANUS ATROBRANCHUS	5	52.4
CYCLOPSETTA CHITTENDENI	1	93.1
MICROPOGON UNDULATUS	2	138.5
CYNOSCION NOTHUS	2	143.5
PRIONOTUS RUBIO	3	151.0
PRIONOTUS PARALATUS	13	166.3
DIPLECTRUM BIVITTATUM	24	378.3
SYACIUM GUNTERI	28	453.5
TOTALS 17	101	1795.2

TRANSECT 02 STATION 01 N TRAWL 77 DECEMBER
12/19/77 TIME: 0330 SAMPLE CODE: BUES
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BREGMACEROS ATLANTICUS	1	.1
DIPLECTRUM BIVITTATUM	1	5.4
PORICHTHYS POROSISSIMUS	1	11.1
SPHOEROIDES PARVUS	2	12.4
BOLLMANNIA COMMUNIS	5	15.8
CENTROPRISTIS PHILADELPHICA	1	18.7
LEPOPHIDIUM GRAELLSI	1	23.9
ETROPUS CROSSOTUS	4	62.7
MICROPOGON UNDULATUS	2	117.5
SYACIUM GUNTERI	16	141.9
SYNODUS FOETENS	6	201.9
CYNOSCION NOTHUS	36	338.8
TOTALS 12	76	950.2

TRANSECT 02 STATION 02 N TRAWL 77 DECEMBER
12/18/77 TIME: 2350 SAMPLE CODE: BUFG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	1	4.1
SERRANUS ATROBRANCHUS	1	6.3
PORICHTHYS POROSISSIMUS	7	27.3
LEPOPHIDIUM GRAELLSI	1	32.6
BOLLMANNIA COMMUNIS	8	37.4
LUTJANUS CAMPECHANUS	1	45.0
LAGODON RHOMBOIDES	2	51.5
PRIONOTUS RUBIO	1	63.8
CENTROPRISTIS PHILADELPHICA	3	116.3
PRIONOTUS PARALATUS	15	187.6
SYACIUM GUNTERI	18	213.7
MICROPOGON UNDULATUS	5	304.1
CYNOSCION NOTHUS	5	312.1
DIPLECTRUM BIVITTATUM	22	343.9
LEIOSTOMUS XANTHURUS	5	372.7
OGCOCEPHALUS SPECIES	1	526.9
TOTALS 16	96	2645.3

TRANSECT 02 STATION 02 N TRAWL 77 DECEMBER
12/19/77 TIME: 0005 SAMPLE CODE: BUFJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	6.0
SCORPAENA CALCARTA	1	7.9
LUTJANUS CAMPECHANUS	1	16.0
CYCLOPSETTA CHITTENDENI	2	23.1
ENGYOPHRYS SENTA	5	29.4
BOLLMANNIA COMMUNIS	7	29.8
LAGODON RHOMBOIDES	2	41.8
LEIOSTOMUS XANTHURUS	1	44.9
PRISTIPOMOIDES AQUILONARIS	10	48.4
PORICHTHYS POROSISSIMUS	7	51.9
MICROPOGON UNDULATUS	1	70.0
PRIONOTUS RUBIO	2	80.0
CYNOSCION NOTHUS	3	170.6
PRIONOTUS PARALATUS	17	213.1
CENTROPRISTIS PHILADELPHICA	5	279.4
DIPLECTRUM BIVITTATUM	33	464.4
SYACIUM GUNTERI	39	528.8
TOTALS 17	137	2105.5

TRANSECT 04 STATION 01 TRAWL 77 FALL
09/25/77 TIME: SAMPLE CODE: BUEP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	6.1
OGCOCEPHALUS SPECIES	1	8.4
LEPOPHIDIUM GRAELLSI	1	10.5
SPHOEROIDES PARVUS	2	11.8
ANCHOA HEPSETUS	1	18.5
SCORPAENA CALCARTA	2	20.9
SYNODUS FOETENS	2	28.3
BOLLMANNIA COMMUNIS	10	42.7
CENTROPRISTIS PHILADELPHICA	2	43.4
ETROPUS CROSSOTUS	2	44.3
PORICHTHYS POROSISSIMUS	4	56.4
DIPLECTRUM BIVITTATUM	9	92.2
MICROPOGON UNDULATUS	3	208.1
CYNOSCION NOTHUS	20	268.2
SYACIUM GUNTERI	56	503.6
TOTALS 15	116	1363.4

TRANSECT 2 STATION 3 N TRAWL 77 DECEMBER
12/18/77 TIME: 1907 SAMPLE CODE: BUFY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HEMANTHIAS VIVANUS	1	22.8
ANCYLOPSETTA DILECTA	2	23.2
PIKEA MEXICANA	2	23.7
DECODON PUELLARIS	1	25.1
OGCOCEPHALUS SPECIES	2	36.1
PONTINUS LONGISPINIS	4	65.7
PRISTIPOMOIDES AQUILONARIS	3	73.6
STENOTOMUS CAPRINUS	2	117.0
SYNODUS FOETENS	1	155.3
CAULOLATILUS INTERMEDIUS	3	164.4
TRICHOPSETTA VENTRALIS	13	199.9
SERRANUS ATROBRANCHUS	12	220.3
NEOMERINTHE HEMINGWAYI	1	454.2
PRIONOTUS PARALATUS	30	588.6
TOTALS 14	77	2169.9

TRANSECT 2 STATION 3 N TRAWL 77 DECEMBER
12/18/77 TIME: 2042 SAMPLE CODE: BUGB
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	14.4
HALIEUTICHTHYS ACULEATUS	3	20.0
PORICHTHYS POROSISSIMUS	2	25.1
UPENEUS PARVUS	1	33.3
UROPHYCIS CIRRATUS	1	34.2
EQUETUS ACUMINATUS	1	38.7
PRIONOTUS RUBIO	1	51.4
TRICHOPSETTA VENTRALIS	4	58.0
CENTROPRISTIS PHILADELPHICA	1	58.3
ANCYLOPSETTA DILECTA	2	76.8
CYNOSCION ARENARIUS	1	186.5
LEIOSTOMUS XANTHURUS	1	253.4
SYNODUS FOETENS	1	305.7
UROPHYCIS FLORIDANUS	2	330.5
STENOTOMUS CAPRINUS	10	447.2
PRIONOTUS PARALATUS	23	467.2
SERRANUS ATROBRANCHUS	49	887.3
PRISTIPOMOIDES AQUILONARIS	14	1249.0
TOTALS 18	118	4537.0

TRANSECT 2 STATION 3 N TRAWL 77 DECEMBER
12/18/77 TIME: 1832 SAMPLE CODE: BUFV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	23.6
HALIEUTICHTHYS ACULEATUS	4	26.6
EQUETUS ACUMINATUS	1	40.1
UROPHYCIS CIRRATUS	1	50.9
PONTINUS LONGISPINIS	1	54.2
KATHETOSTOMA ALBIGUTTA	1	62.8
CENTROPRISTIS PHILADELPHICA	1	81.8
DECODON PUELLARIS	1	105.2
OGCOCEPHALUS SPECIES	2	174.2
BEMBROPS ANATIROSTRIS	2	179.1
ANCYLOPSETTA DILECTA	6	196.1
TRICHOPSETTA VENTRALIS	18	294.3
CAULOLATILUS INTERMEDIUS	4	317.3
SYNODUS FOETENS	4	804.3
STENOTOMUS CAPRINUS	17	917.1
PRIONOTUS PARALATUS	81	1425.7
SERRANUS ATROBRANCHUS	89	1721.3
PRISTIPOMOIDES AQUILONARIS	16	1785.9
TOTALS 18	250	8260.5

APPENDIX R

HISTOPATHOLOGY OF DEMERSAL FISHES

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TABLE 1

FIXATIVES

Buffered Neutral Formalin

37-40% formaldehyde	100.0 ml
Distilled water	900.0 ml
Sodium phosphate monobasic	4.0 gm
Sodium phosphate dibasic (anhydrous)	6.5 gm

Helly Solution

Stock Solution

Distilled water	100.0 ml
Mercuric chloride	5.0 gm
Potassium dichromate	2.5 gm
Sodium sulfate	1.0 gm
Add immediately before use:	
37-40% formaldehyde	5.0 ml

TABLE 2

HEMATOXYLIN AND EOSIN STAINING PROCEDURE

1. Xylene - 3 changes, 2 minutes each
2. Absolute ethyl alcohol - 2 changes, 2 minutes each
3. 95% ethyl alcohol - 2 changes, 2 minutes each
4. Alcoholic iodine - 15 minutes
5. Rinse in tap water
6. 5% Sodium thiosulfate - 5 minutes
7. Running tap water - 5 minutes
8. Distilled water rinse
9. Harris hematoxylin - 15 minutes
10. Alkaline water - until tissue is blue
11. Acid water - until tissue is pink
12. Alkaline water - until tissue is gray-blue
13. Distilled water - 1 minute
14. Eosin - 5 minutes
15. 95% ethyl alcohol - 2 changes, 2 minutes each
16. Absolute ethyl alcohol - 2 changes, 2 minutes each
17. Xylene - 2 changes, 2 minutes each
18. Mount - histoclad mounting medium

TABLE 3

STAINING SOLUTIONS-HARRIS HEMATOXYLIN AND EOSIN

Harris Hematoxylin:

Hematoxylin	5	gm
Absolute ethyl alcohol	50	ml
Aluminum ammonium sulfate	100	gm
Distilled water	1000	ml
Mercuric oxide	2.5	gm

Eosin:

Eosin	4	gm
Absolute ethyl alcohol	200	ml
Distilled water	600	ml

Alcoholic iodine:

Iodine crystals	10	gm
95% ethyl alcohol	1000	ml

Alkaline water:

Sodium bicarbonate	10	gm
Distilled water	800	ml

Acid water:

Concentrated hydrochloric acid	4	ml
Distilled water	800	ml

TABLE 4

VERHOEFF AND VAN GIESON STAINING PROCEDURE

1. Xylene - 3 changes, 2 minutes each
2. Absolute ethyl alcohol - 2 changes, 2 minutes each
3. 95% ethyl alcohol - 2 changes, 2 minutes each
4. Distilled water
5. Verhoeff solution - 15 minutes
6. Rinse in distilled water
7. Differentiate in 2% ferric chloride - 12 seconds
8. 5% sodium thiosulfate - 1 minute
9. Running tap water - 5 minutes
10. Van Gieson solution - 1 minute
11. Differentiate in 95% ethyl alcohol
12. Absolute ethyl alcohol - 2 changes, 2 minutes each
13. Xylene - 2 changes, 2 minutes each
14. Mount - histoclad mounting medium

TABLE 5

STAINING SOLUTIONS-VERHOEFF AND VAN GIESON

Verhoeff stock solution:

With aid of heat dissolve 25 gm hematoxylin in 550 ml of absolute ethyl alcohol. Cool and filter.

Verhoeff stain:

Verhoeff stock solution	240.0 ml
10% Ferric chloride	96.0 ml
Iodine solution	96.0 ml

Iodine solution:

Potassium iodine	40.0 gm
Distilled water	1000.0 ml
Dissolve and add:	
Iodine	20.0 gm

Van Gieson stain:

Saturated solution of picric acid	800.0 ml
1% Acid Fuchsin (aqueous)	56.0 ml

APPENDIX S

HISTOPATHOLOGY OF INVERTEBRATE EPIFAUNA

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TABLE 1
NUMBER OF SHRIMP GILLS WITH SYMBIONTS BY SEASON

Species	No. of Specimens				SYMBIONTS 303 (203)				305 (203)				308 (202)				308 (204)				308 (205)				310 (203)				310 (204)				310 (202)				316 (203)				317 (202)			
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W
Penaeus aztecus	25	32	11	21		1				1											1			1													18	8	2	8				
Penaeus setiferus	7		10	11																									1								7		1	5				1
Trachypenaeus similis	12	5	15	12						1					2				1																		12	5	13	10				
Sicyonia dorsalis	5	11	10	5																							1				1				1		3	11	10	5	2	5	6	1
Sicyonia stimpsoni	6																																				6							
Solenocera vioscai		5	11																																			5	8					
% and Totals	55	53	57	49		2				4					4				2		2			2			2		2		2				2		84	55	60	57	4	9	11	4
Squilla chydaea	5		6	5																																			4						
Squilla empusa	7			3																																	4			1				
% and Totals	12		6	8																																	33		67	13				

TABLE 1 CONT.'D
NUMBER OF SHRIMP GILLS WITH SYMBIONTS BY SEASON

Species	No. of Specimens				SYMBIONTS 318 (203)				319 (202)				319 (204)				320 (202)				320 (205)				321 (202)				322 (203)				323 (202)				335 (203)				Total %				Total	
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
Penaeus aztecus	25	32	11	21						1				2				19	7	5		1												1							19	34	9	14	76	85
Penaeus setiferus	7		10	11				1					1		2	1	5		5	4			1					1													14		9	13	36	129
Trachypenaeus similis	12	5	15	12													1	3	7	3																					13	9	23	13	58	132
Sicyonia dorsalis	5	11	10	5														10	9	1											1										5	26	29	7	67	216
Sicyonia stimpsoni	6																																								6				6	100
Solenocera vioscai		5	11															5	3																				2			10	13		23	144
% and Totals	55	53	57	49				2		2			2	4	4	2	11	70	54	27		2	2					2			2			2					4		57 104	79 149	83 146	47 96	266 124	124
Squilla chydaea	5		6	5																					1																1		4		5	31
Squilla empusa	7			3	1																																				5			1	6	60
% and Totals	12		6	8	13																				13																6 50		4 67	1 13	11 42	42

TABLE 2
NUMBER OF SHRIMP WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS 303 (203)			305 (203)			308 (204)			308 (205)			308 (202)			310 (203)			310 (202)			310 (204)			316 (203)			317 (202)		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Penaeus aztecus	22	45	22		1		1							1	1													8	23	5			
Penaeus setiferus	28																								1			13			1		
Trachypenaeus similis	27	12	5				1					1						2										25	11	4			
Sicyonia dorsalis		31																		1			1			1			29			14	
Sicyonia stimpsoni		6																											6				
Solenocera vioscai		5	11																										4	9			
% and Totals	77	99	38		1		3					3		1	3			5		1			1		1	1		60	74		1	14	
Squilla chydaea	11		5																									4					
Squilla empusa	10																											5					
% and Totals	21		5																									43					

TABLE 2 CONT.'D
NUMBER OF SHRIMP WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS 318 (203)			319 (202)			319 (204)			320 (202)			320 (205)			321 (202)			322 (203)			323 (202)			335 (203)			Total %			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
Penaeus aztecus	22	45	22						1	1	1		8	21	2		1								1						19	48	9	76	85
Penaeus setiferus	28			1						4			14			1			1												36			36	129
Trachypenaeus similis	27	12	5										9	4	1																35	15	8	58	132
Sicyonia dorsalis		31												20									1									67		67	216
Sicyonia stimpsoni		6																														6		6	100
Solenocera vioscai		5	11											3	5															2		7	16	23	144
% and Totals	77	99	38	1					3	6	1		40	48	21	1	1		1				1		1					5	90 117	143 144	33 87	266 124	124
Squilla chydaea	11		5																		1										4		1	5	31
Squilla empusa	10			1																											6			6	60
% and Totals	21		5	5																	20										10 48		1 20	11 42	42

TABLE 3

NUMBER OF SHRIMP WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

Species	No. of Specimens				PATHOLOGIES																																											
					401 (202)				401 (204)				401 (205)				405 (202)				406 (204)				407 (202)				407 (204)				408 (202)				410 (202)				410 (204)			
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W
Penaeus aztecus	25	32	11	21	3	30	9	8																		1							1	2			3							
Penaeus setiferus	7		10	11	6		10	9							2	1											1						1			1								
Trachypenaeus similis	12	5	15	12	1	5	14	5																											1					2				
Sicyonia dorsalis	5	11	10	5	1	11	9	4												1	1				5	11	10	5								2							
Sicyonia stimpsoni	6				1																				6																			
Solenocera vioscai		5	11			5	7				1																1				1								3				1	
% and Totals	55	53	57	49	22	96	86	53			2				4	2				2	2				20	23	21	10			2		4	4	2	6	5		5	4			2	
Squilla chydaea	5		6	5			3																																					
Squilla empusa	7			3																																								
% and Totals	12		6	8			50																																					

TABLE 3 CONT.'D
NUMBER OF SHRIMP WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

PATHOLOGIES

Species	No. of Specimens				503 (202)				504 (202)				529 (202)				529 (204)				529 (205)				540 (202)				557 (202)												Total %				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
Penaeus aztecus	23	32	11	21									10	7	4	1	4	4	2	7									1												22	44	15	16	97	109
Penaeus setiferus	7		10	11			1						2		5	4	4		4	5			1																		13		24	20	57	204
Trachypenaeus similis	12	5	15	12									5		8	4	2		4	1					1																9	5	27	12	53	120
Sicyonia dorsalis	5	11	10	5	1								2	1	1	1			1			2																			10	25	21	13	69	223
Sicyonia stimpsoni	6								2								1																								10				10	167
Solenocera vioscai		5	11											1	4				1																							6	19		25	64
% and Totals	55	53	57	49	2		2		4				35	17	39	20	20	8	21	27		4	2		2				2												64	80	106	61	311	145
																																									116	151	186	124		
Squilla chydaea															3	3			1																								7	3	10	63
Squilla empusa																1																												1	1	10
% and Totals	12		6	8											50	50			17																								7	4	11	42
																																											117	50		

TABLE 4

NUMBER OF SHRIMP WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	No. of Specimens			PATHOLOGIES 401 (202)			401 (204)			401 (205)			405 (202)			406 (204)			407 (202)			407 (204)			408 (202)			410 (202)			410 (204)		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Penaeus aztecus	22	45	22	16	26	8														1					2		1			3			
Penaeus setiferus	28			25						3									1						2								
Trachypenaeus similis	27	12	5	14	6	5																			1				2				
Sicyonia dorsalis		31			25									1			1			31						2							
Sicyonia stimpsoni		6			1															6													
Solenocera vioscai		5	11		4	8			1												1			1					3				1
% and Totals	77	99	38	71	63	55			3	4				1			1		1	38	3			3	6	2	3		5	8			3
Squilla chydaea	11		5	3																													
Squilla empusa	10																																
% and Totals	21		5	14																													

TABLE 4 CONT.'D

NUMBER OF SHRIMP WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	No. of Specimens			PATHOLOGIES 503 (202)			504 (202)			529 (202)			529 (204)			529 (205)			540 (202)			557 (202)									Total %			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
Penaeus aztecus	22	45	22							5	13	4		11	6							1									24	51	22	97	109
Penaeus setiferus	28			1						11			13			1															57			57	204
Trachypenaeus similis	27	12	5							7	7	3	4	1	2				1												27	16	10	53	120
Sicyonia dorsalis		31			1						5			1			2															69		69	223
Sicyonia stimpsoni		6						2						1																		10		10	167
Solenocera vioscai		5	11								3	2			1																	10	15	25	64
% and Totals	77	99	38	1	1			2		30	28	24	22	14	24	1	2		1			1									108 140	156 158	47 124	311	145
Squilla chydaea	11		5							6			1																		10		0	10	63
Squilla empusa	10									1																					1		0	1	10
% and Totals	21		5							33			5																		11 42			11	42

TABLE 5
NUMBER OF CRABS WITH GILL SYMBIONTS BY SEASON

Species	No. of Specimens				SYMBIONTS 301 (202)				305 (203)				308 (204)				311 (203)				316 (203)				320 (202)				320 (205)				322 (203)				328 (201)				329 (203)			
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W
Callinectes similis	0	20	11	21						4	1	2														1	2	2		1				1	2	3						1		1
Portunus spinicarpus	7	16	11	5						2																										1						1		
Portunus gibbesii	12	0	0	6																				1				2																
Anasimus latus	1	7	11	0	1						1			1					2								8				1				2			4	2					
Myropsis quinquespinosa	1																																											
% and Totals	21	43	33	32	5					14	6	6		2					6					3		2	23	13		2	3			2	12	12		9	6			5		3

TABLE 5 CONT.'D
NUMBER OF CRABS WITH GILL SYMBIONTS BY SEASON

Species	No. of Specimens				SYMBIONTS 330 (203)				331 (202)				334 (203)																												Total %				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
Callinectes similis	0	20	11	21						1	1																															9	6	8	23	44
Portunus spinicarpus	7	16	11	5						3	2	4																														6	2	5	13	33
Portunus gibbesii	12	0	0	6																																								3	3	18
Anasimus latus	1	7	11	0		1									3																										1	6	19		26	137
Myropsis quinquespinosa	1																																								0				0	
% and Totals	21	43	33	32		2				9	9	13			9																										1	21	27	16	65	50
																																									5	49	82	50	50	

TABLE 6
NUMBER OF CRABS WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS 301 (202)			305 (203)			308 (204)			311 (203)			316 (203)			320 (202)			320 (205)			322 (203)			328 (201)			329 (203)		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Callinectes similis	20	27	5				1	6											1	3	1		1			5	1					2	
Portunus spinicarpus		6	33						2																		1						1
Portunus gibbesii	18															1			2														
Anasimus latus			19			1			1			1			2					8				1			2		6				
Mypropsis quinquespinosa			1																														
% and Totals	38	33	58			2	3	18	5			2			3	3			8	33	2		3	2		15	7		18			6	2

TABLE 6 CONT.'D
NUMBER OF CRABS WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS 330 (203)			331 (202)			334 (203)																					Total %			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
Callinectes similis	20	27	5					2																							2	19	2	23	44
Portunus spinicarpus		6	33						9																							0	13	13	33
Portunus gibbesii	18																														3			3	17
Anasimus latus			19			1						3																					26	26	137
Myropsis quinquespinosa			1																														0	0	
% and Totals	38	33	58			2		6	16			5																			5	19	41	65	50
																															13	100	47	50	

TABLE 7

NUMBER OF CRABS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

Species	No. of Specimens				PATHOLOGIES																																							
					401 (202)				401 (205)				402 (202)				402 (205)				403 & 404 (202)				405 (202)				406 (204)				406 & 407 (205)				407 (202)				408 (202)			
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W
Callinectes similis	0	20	11	21		12	7	14		10	7	7		8	8	13			6	1		1	1	4		13	6	18		1		3		9	6	6		10	2	7		2	1	5
Portunus spinicarpus	7	16	11	5		2							1	10	2	2									5	12	7	5						2		1	6	4		1	2	3	1	2
Portunus gibbesii	12	0	0	6	6			6	1			1	4			3					1			1	10			6	1				4			2	6			1	4			
Anasimus latus	1	7	11	0	1	1	9			1	5				3											2	9							1				2				1	3	
Myropsis quinquespinosa	1												1												1												1							
% and Totals	21	43	33	32	33%	35	48	63	5	26	36	25	29	42	39	56			18	3	5	2	3	16	76	63	67	91	5	2		9	19	28	18	28	62	37	6	28	29	14	12	22

TABLE 7 CONT.'D
NUMBER OF CRABS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

Species	No. of Specimens				PATHOLOGIES 411 (202)				503 (205)				529 (202)				529 (204)				529 (205)																				Total %				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
Callinectes similis	0	20	11	21		2		1		1				2		3		10	4	13		3	1	4																		84	49	99	232	446
Portunus spinicarpus	7	16	11	5		2							1				3	6	3	1			1																		18	41	14	12	85	218
Portunus gibbesii	12	0	0	6									2				3			5	1																				43			25	68	378
Anasimus latus	1	7	11	0		2									1			1	1				2																		1	11	33		45	237
Myropsis quinquespinosa	1																																								3				3	300
% and Totals	21	43	33	32		14		3		2			14	5	3	9	29	40	24	59	5	7	12	13																	65 309	136 316	96 291	136 425	433 336	336

TABLE 8

NUMBER OF CRABS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	No. of Specimens			PATHOLOGIES 401 (202)			401 (205)			402 (202)			402 (205)			403 & 404 (202)			405 (202)			406 (204)			406 & 407 (205)			407 (202)			408 (202)		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Callinectes similis	20	27	5	8	22	3	9	13	2	9	17	3	3	4			3	3	16	16	5	1	3		10	10	1	5	11	3	1	3	4
Portunus spinicarpus		6	33			2						15								4	25						3		5	6		1	7
Portunus gibbesii	18			12			2			7						2			16			1			6			7			4		
Anasimus latus			19			11			6			3									11						1			2			4
Myropsis quinquespinosa			1									1									1									1			
% and Totals	38	33	58	53	67	28	29	39	14	42	52	38	8	12		5	9	5	84	61	72	5	9		42	30	9	32	48	21	13	12	26

TABLE 8 CONT.'D

NUMBER OF CRABS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS 411 (202)			503 (205)			529 (202)			529 (204)			529 (205)															Total %			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
Callinectes similis	20	27	5	2	1		1			1	3	1	10	13	4	5	3														81	122	29	232	446
Portunus spinicarpus		6	33			2						1		2	11			1														14	73	85	218
Portunus gibbesii	18									2			8			1															68			68	378
Anasimus latus			19			2						1			2			2															45	45	237
Myropsis quinquespinosa			1																														3	3	300
% and Totals	38	33	58	5	3	7	3			8	9	5	47	45	29	16	9	5													149	134	150	433	336
																														%	392	406	259	336	

TABLE 9
NUMBER OF MOLLUSCS WITH GILL SYMBIONTS BY SEASON

Species	No. of Specimens				SYMBIONTS 308 (202)				315 (202)				323 (202)				324 (209)																								Total %				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
Arusiwn papyraceus	11	31	1	6	1								2				11	12		6																					14	12		6	32	65
Pecten gibbus	1																																								0				0	
Neopycnodonta cochlear	5																																								0				0	
Loligo pealei	6	17		6		1		1				1																														1		2	3	10
% and Totals	23	48	1	12	4	2		8				8	8				48	25		50																					14 61	13 27		8 67	35	42

TABLE 10
NUMBER OF MOLLUSCS WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS 308 (202)			315 (202)			323 (202)			324 (209)																		Total %			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
Amusium papyraceus		18	31		1							2			29																	1	31	32	65
Pecten gibbus		1																														0		0	0
Neopycnodonta cochlear			5																														0	0	0
Loligo pealei	17		12	1		1			1																						1		2	3	10
% and Totals	17	19	48	6	5	2			2			4			60																1	1	33	35	42
																														%	6	5	69		

TABLE 11
NUMBER OF MOLLUSCS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

Species	No. of Specimens				PATHOLOGIES 503 (202)				504 (202)				505 (202)				507 (202)				529 (202)																				Total %				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
Amusium papyraceus	11	31	1	6						1												2																			0	3	0	0	3	6
Pecten gibbus	1																																								0					
Neopycnodonta cochlear	5																																								0					
Loligo pealei	6	17		6		1		1		1						1		1																							0	3		2	5	17
% and Totals	23	48	1	12		2		8		4						8		2				4																				6		2	8	10
																																										13		17		

TABLE 12
NUMBER OF MOLLUSCS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	No. of Specimens			PATHOLOGIES 503 (202)			504 (202)			505 (202)			507 (202)			529 (202)															Total %			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
Amusium papyraceus		18	31						1									2														0	3	3	6
Pecten gibbus		1																																	
Neopycnodonta cochlear			5																																
Loligo pealei	17		12	1		1	1					1	1																		3		2	5	17
% and Totals	17	19	48	6		2	6		2			2	6					4													3 / 18		5 / 10	8	10

TABLE 13
NUMBER OF SHRIMP WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGANS 105				107				110				111				113				117				121								Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302								1	4	13	8	7		2		1			1				1			3	1				1	1					4	18	12	10	44	18
304					1		1		2	2															3	4											6	6	1		13	5
307													4	14	3	11																					4	14	3	11	32	13
310					3	4	8	2	11	20	10	10		1				10	2	2				2	20	16	10	9									34	51	30	25	140	58
315						1																															1				1	0.4
319										1								1							3			2									3	2		2	7	3
329													3																								3				3	1
398													1	1											1												2	1			3	1
Total	67	53	63	57																																	57	92	46	48	243	101
																																				%	85	174	73	84		

TABLE 14
NUMBER OF SHRIMP WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			107			110			111			113			117			121						Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302				1			27	3	2	3			1			1			3	1		2						38	4	2	44	18
304					2		1	2	1										1	5	1							2	9	2	13	5
307										7	18	7																7	18	7	32	13
310					14	3	11	30	10		1		3	8	3		2		16	27	12							30	83	27	140	58
315						1																								1	1	0.4
319							1								1				5									6		1	7	3
329											3																		3		3	1
398										1	1										1							1	1	1	3	1
Total	98	99	43																									84	118	41	243	101
																											%	86	119	95		

TABLE 15

NUMBER OF SHRIMP WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	No. of Specimens				ORGAN 105				106				107				110				111				117				125								Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
501					1	1	3	1																													1	1	3	1	6	3
503																										1												1			1	0.4
504														1	1	1																						1	1	1	3	1
507																															1								1		1	0.4
520							2	1					3	2	1	2									1	1	1	2									4	3	4	5	16	7
521														4	1	3										1												5	1	3	9	4
529					2	2		2				1	2	11	7	10	1		3	2					3	2	4	5									8	15	14	20	57	24
540					1								1	1	4	5			1							2	2										2	3	7	5	17	7
541					1		1						2	2	1										2	3											5	5	2		12	5
542							5						1	7	4	1						3			2	6	3	2									3	16	12	3	34	14
549					1													1			1					1											2	2			4	2
550																			1								1												2		2	1
Total	67	53	63	57																																	25	52	47	38	162	68
																																				%	37	98	75	67		

TABLE 16

NUMBER OF SHRIMP WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN 105			106			107			110			111			117			125						Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
501				3	1	2																						3	1	2	6	3
503																					1									1	1	0.4
504										1		2																1		2	3	1
507																						1						1			1	0.4
520					3					6	1	1								4	1							6	8	2	16	7
521										7	1								1									8	1		9	4
529				2	4				1	14	10	6	5	1					5	6	3							26	21	10	57	24
540					1					7	3	1	1						1	2	1							9	6	2	17	7
541					2					3	2									4	1							3	8	1	12	5
542					5					7	5	1				1		2	4	8	1							12	18	4	34	14
549				1											1	1			1									3		1	4	2
550													1						1									2			2	1
Total	98	99	43																									74	63	25	162	68
																											%	76	64	58		

TABLE 17
NUMBER OF PENAEUS AZTECUS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 105				107				110				111				117																Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302									1	12		1		2								3															1	17		1	19	21
304							1		1	1												2															1	3	1		5	6
307													3	12	2	8																					3	12	2	8	25	28
310					1	1	1	1	5	14	4	7						10	2	1	11	12	1	6													17	37	8	15	77	87
319										1								1				2																4			4	4
398														1																								1			1	1
Total	25	32	11	21																																	22	74	11	24	131	147
																																				%	88	231	100	114		

TABLE 18
NUMBER OF PENAEUS AZTECUS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			107			110			111			117												Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302							10	3	1	2						3												15	3	1	19	21
304					1		1		1							1		1										2	1	2	5	6
307										6	14	5																6	14	5	25	28
310					2	2	9	12	9				2	8	3	9	10	11										20	32	25	77	87
319							1								1	2												3		1	4	4
398										1																		1			1	1
Total	22	45	22																									47	50	34	131	147
																											%	214	111	155		

TABLE 19
NUMBER OF PENAEUS AZTECUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	No. of Specimens				ORGAN 105				106				107				110				111				117												Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
501					1			1																													1			1	2	2
503																										1												1			1	1	1
504														1		1																						1		1	2	2
520													1	2												1		1									1	3		1	5	6
521														4		1										1												5		1	6	7
529						2						1		8	1	5									1	1	1	3									1	11	2	9	23	26
540														1		2										1												2		2	4	4
541							1							1												1												2	1		3	3
542							1							6								3				4												13	1		14	16
549																		1								1												2			2	2
Total	25	32	11	21																																	3	40	4	15	62	70
																																				%	12	125	36	71		

TABLE 20

NUMBER OF PENAEUS AZTECUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN 105			106			107			110			111			117									Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
501						2																								2	2	2
503																					1									1	1	1
504												2																		2	2	2
520										2		1								1	1							2	1	2	5	6
521										4	1								1									5	1		6	7
529				1	1				1	5	4	5								3	3							6	8	9	23	26
540										1	1	1									1							1	1	2	4	4
541					1					1											1							1	1	1	3	3
542					1					4	1	1				1		2	1	2	1							6	4	4	14	16
549															1				1									1		1	2	2
Total	22	45	22																									22	16	24	62	70
																											%	100	36	109		

TABLE 21

NUMBER OF PENAEUS SETIFERUS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 107				110				111				117				119																Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302					2		3	6				1			1									1													2		4	8	14	50
307												1																												1	1	4
310					1											1	1		1	2																	2		1	3	6	21
319																	1																				1				1	4
Totals	7		10	11																																	5		5	12	22	79
																																					%	71		50	109		

TABLE 22
NUMBER OF PENAEUS SETIFERUS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 107			110			111			117			119												Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302				11			1			1						1												14			14	50
307							1																					1			1	4
310				1						1			4															6			6	21
319													1															1			1	4
Total	28																											22			22	79
																											%	79				

TABLE 23

NUMBER OF PENAEUS SETIFERUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	No. of Specimens				ORGAN 105				107				110				111				117																Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
501							2																																2		2	7
504											1																												1		1	4
520									1		1	2																									1		1	2	4	14
521											1	2																											1	2	3	11
529								1			5	4			3	2					1		2	2													1		10	9	20	71
540											3	3			1								1																5	3	8	29
541									1		1																										1		1		2	7
542											2	1									1			1													1		2	2	5	18
549					1												1																				2				2	7
550															1								1																2		2	7
Total	7		10	11																																	6		25	18	49	125
																																					%	86	250	164		

TABLE 24

NUMBER OF PENAEUS SETIFERUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN 105			107			110			111			117												Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
501				2																								2			2	7
504							1																					1			1	4
520							4																					4			4	14
521							3																					3			3	11
529				1			9			5						5												20			20	71
540							6			1						1												8			8	29
541							2																					2			2	7
542							3									2												5			5	18
549				1									1															2			2	7
550										1						1												2			2	7
Total	28																											49			49	175
																											%	175				

TABLE 25

NUMBER OF TRACHYPENAEUS SIMILIS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 105				107				110				113				117																Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302									1	1	4								1																		1	1	5		7	16
307																2																								2	2	5
310									1												2		2														3		2		5	11
398													1																								1				1	2
Total	12	5	15	12																																	5	1	7	2	15	34
																																				%	42	20	47	17		
Pathology																																										
501						1																																1			1	2
542																							1																1		1	2
Total	12	5	15	12																																	0	1	1	0	2	5
																																				%	207					

TABLE 26

NUMBER OF TRACHYPENAEUS SIMILIS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			107			110			113			117												Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302							6						1															7			7	16
307											2																		2		2	5
310							1									3		1										4		1	5	11
398											1																		1		1	2
Total	27	12	5																									11	3	1	15	34
																											%	41	50	40		
Pathology																																
501				1																								1			1	2
542																1												1			1	2
Total	27	12	5																									2	0	0	2	5
																											%	7				

TABLE 27

NUMBER OF SICYONIA DORSALIS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGANS 105				107				110				113				117																Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
304					1				1	1											3	2															5	3			8	26
307															1																								1		1	3
310					1	3	7	1	3	5	6	3		1						2	5	4	5	1													9	13	18	7	47	152
Total	5	11	10	5																																	14	16	19	7	56	181
																																				%	280	145	190	140		

TABLE 28
NUMBER OF SICYONIA DORSALIS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			107			110			113			117												Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
304					1			2									5												8		8	26
307											1																		1		1	3
310					12			17			1			2			15												47		47	152
Total		31																											56		56	181
																											%		181			

TABLE 29

NUMBER OF SICYONIA DORSALIS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	No. of Specimens				ORGAN 105				107				110				117																				Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
520							2	1	1								1		1	1																	2		3	2	7	23
529					2			1	1	2	1	1	1				1	1	1																		5	3	2	2	12	39
540					1				1		1							1	1																		2	1	2		5	16
541					1				1	1							2	2																			4	3			7	23
542							4		1	1	2						1	2	2	1																	2	3	8	1	14	45
Total	5	11	10	5																																	15	10	15	5	45	145
																																				%	300	91	150	100		

TABLE 30

NUMBER OF SICYONIA DORSALIS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN 105			107			110			117															Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
520					3			1						3															7		7	23
529					3			5			1			3															12		12	39
540					1			2						2															5		5	16
541					1			2						4															7		7	23
542					4			4						6															14		14	45
Total		31																											45		45	145
																											%		145			

TABLE 31

NUMBER OF SICYONIA STIMPSONI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 105				107				110				117																				Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
307													1																								1				1	17
310					1				1								1																				3				3	50
329													3																								3				3	50
Total	6																																				7				7	117
																																					%	117				
Pathology																																										
529									1																												1				1	17
Total	6																																				1				1	17
																																					%	17				

TABLE 32
NUMBER OF SICYONIA STIMPSONI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			107			110			117															Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
307											1																		1		1	17
310					1			1						1															3		3	50
329											3																		3		3	50
Total	6																												7		7	117
																											%		117			
Pathology																																
529								1																					1		1	17
Total	6																												1		1	17
																											%		17			

TABLE 33

NUMBER OF SOLENOCERA VIOSCAI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 105				107				110				117																				Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302											1								1																				2		2	13
307														2																								2			2	13
310										1									1																			1	1		2	13
315						1																																1			1	6
Total		5	11																																			4	3		7	44
																																						80	27			
Pathology																																										
501							1																																1		1	6
529										1																												1			1	6
Total		5	11																																			1	1		2	13
																																						20	9			

TABLE 34
NUMBER OF SOLENOCERA VIOSCAI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			107			110			117															Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302									1					1															1	1	2	13
307												2																		2	2	13
310									1					1															1	1	2	13
315						1																								1	1	6
Total		5	11																										2	5	7	44
																											%		40	45		
Pathology																																
501					1																								1		1	6
529									1																					1	1	6
Total		5	11																										1	1	2	13
																											%		20	9		

TABLE 35

NUMBER OF SQUILLA CHYDAEA WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGANS 117				121				125																								Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302											1	1																											1	1	2	13
319								2																																2	2	13
398					1																																1				1	6
Total	5		6	5																																	1		1	3	5	31
																																				%	20		17	60		
Pathology																																										
507															1																								1		1	6
Total	5		6	5																																	0		1	0	1	6
																																				%			17			

TABLE 36
NUMBER OF SQUILLA CHYDAEA WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 117			121			125																		Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302							2																					2			2	13
319				2																								2			2	13
398						1																								1	1	6
Total	11		5																									4		1	5	31
																											%	36		20		
Pathology																																
507										1																		1			1	6
Total	11		5																									1		0	1	6
																											%	17				

TABLE 37

NUMBER OF CRABS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 105				106				107				110				113																Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302														2	1							2	1	2														4	2	2	8	6
308										1																												1			1	1
310						1	3						1	4	1	2						2															1	7	4	2	14	11
319																						2		1														2		1	3	2
325														1								1																2			2	2
398																	1																				1				1	1
Total	21	43	33	32																																	2	16	6	5	29	22
																																				%	10	37	18	16		

TABLE 38
NUMBER OF CRABS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			106			107			110			113												Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302												3				3	2											3	2	3	8	6
308									1																					1	1	1
310						4				1		7				1		1										2		12	14	11
319																	2	1											2	1	3	2
325												1					1												1	1	2	2
398													1															1			1	1
Total	38	33	58																									6	5	18	29	22
																											%	16	15	31		

TABLE 39

NUMBER OF CRABS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	No. of Specimens				ORGAN 105				106				107				110																								Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
501							1																																1				1	1
529										4	1	5		5	3	4	1	1	4																		1	10	8	9	28	22
540														3		1	1	1	1																		1	4	1	1	7	5
542														1																								1			1	1
549													1		1	1																					1		1	1	3	2
550																1																								1	1	1
Total	21	43	33	32																																	3	15	11	12	41	32
																																					%	14	35	33	38		

TABLE 40

NUMBER OF CRABS WITH PATHOLOGIES OTHERN THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN 105			106			107			110															Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
501					1																								1		1	1
529							1	7	2		4	8	1	4	1													2	15	11	28	22
540											2	2	1	2														1	4	2	7	5
542												1																		1	1	1
549											1	2																	1	2	3	2
550												1																		1	1	1
Total	38	33	58																									3	21	17	41	32
																											%	8	64	29		

TABLE 41

NUMBER OF CALLINECTES SIMILIS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 105				106				107				110				113																				Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302																						2	1	1																		2	1	1	4	8
310																						1																				1			1	2
319																						2		1																		2		1	3	6
325																						1																				1			1	2
Total		20	11	21																																						6	1	2	9	17
																																									%	30	9	10		
Pathology																																														
501							1																																			1		1	2
529										3		4		2		3		1	3																						6	3	7	16	31
540														2				1	1																						3	1		4	8
549															1																											1		1	2
Total		20	11	21																																					9	6	7	22	42
																																									%	45	55	33		

TABLE 42

NUMBER OF CALLINECTES SIMILIS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			106			107			110			113												Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302																2	2											2	2		4	8
310																1												1			1	2
319																	2	1											2	1	3	6
325																	1												1		1	2
Total	20	27	5																									3	5	1	9	17
																											%	15	19	20		
Pathology																																
501					1																								1		1	2
529								7			4	1		4															15	1	16	31
540											2			2															4		4	8
549											1																		1		1	2
Total	20	27	5																									0	21	1	22	42
																											%		78	20		

TABLE 43

NUMBER OF PORTUNUS SPINICARPUS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGANS 106				107																												Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302										2	1																											2	1		3	8
310										3		2																										3		2	5	13
325										1																												1			1	3
Total	7	16	11	5																																	0	6	1	2	9	23
																																				%		38	9	40		
Pathology																																										
529							1			2	3	1																										2	4	1	7	18
540										1		1																										1		1	2	5
542										1																												1			1	3
549									1			1																									1			1	2	5
550												1																												1	1	3
Total	7	16	11	5																																	1	4	4	4	13	33
																																				%	14	25	36	80		

TABLE 44

NUMBER OF PORTUNUS SPINICARPUS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 106			107																					Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302									3																					3	3	8
310									5																					5	5	13
325									1																					1	1	3
Total		6	33																										0	9	9	23
																											%			27		
Pathology																																
529						1			6																					7	7	18
540									2																					2	2	5
542									1																					1	1	3
549									2																					2	2	5
550									1																					1	1	3
Total		6	33																										0	13	13	33
																											%			39		

TABLE 45
NUMBER OF PORTUNUS GIBBESII WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 106				107				110				113																				Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302																				1																				1	1	6
310									1																												1				1	6
398													1																								1				1	6
Total	12			6																																	2			1	3	17
																																					%	17		17		
Pathology																																										
529								1					1																								1			1	2	11
540													1																											1	1	6
Total	12			6																																	1			2	3	17
																																					%	17		33		

TABLE 46

NUMBER OF PORTUNUS GIBBESII WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 106			107			110			113															Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302													1															1			1	6
310							1																					1			1	6
398										1																		1			1	6
Total	18																											3			3	17
																											%	17				
Pathology																																
529				1						1																		2			2	11
540										1																		1			1	6
Total	18																											3			3	17
																											%	17				

TABLE 47

NUMBER OF ANASIMUS LATUS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 105				106				107				110				113																Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
308										1																												1			1	5
310						1	3							1	1							1																3	4		7	37
Total	1	7	11																																		0	4	4		8	42
																																				%		57	73			
Pathology																																										
529										1				1				1																				2	1		3	16
Total	1	7	11																																		0	2	1		3	16
																																				%		29	9			

TABLE 48

NUMBER OF ANASIMUS LATUS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			106			107			110			113												Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
308									1																					1	1	5
310						4						2						1												7	7	37
Total			19																											8	8	42
																											%			42		
Pathology																																
529									1			1			1															3	3	16
Total			19																											3	3	16
																											%			16		

TABLE 49
NUMBER OF MOLLUSCS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 105				106				107				108				110				111				112				117				Sub-Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302						1							1					1			1	5								4			1	1			3	12			15	18
303													3	6		2					1	4			1								8	9		2	13	19		4	36	43
304													3	4	1						2	5	1											6			5	15	2		22	26
308																																										
310					1								2	10		2						2												2		1	3	14		3	20	24
311																					1																1				1	1
312																									8	15		6									8	15		6	29	35
314													2	8		1																					2	8		1	11	13
319													4	1							2	3	1		1								2	4		1	9	8	1	1	19	23
323																					1																1				1	1
325														5								4		1						1		1		2		3		12		5	17	20
327													5																								5				5	6
330														1																				1				2			2	2
336									1	10		2																									1	10		2	13	15
398													1	3							1	1											1	2		1	3	6		1	10	12
Sub-total	23	48	1	12																																	54	121	3	23	201	

TABLE 49 CONT.'D
NUMBER OF MOLLUSCS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 120				122				150																								Sub-Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302						8								9																								17			17	20
304										4																												4			4	5
308										2																												2			2	2
319						1				4																												5			5	6
323										5		3																										5		3	8	10
325						1								2		2																						3		2	5	6
Sub-Total	23	48	1	12																																	0	36	0	5	41	
Complete Total	23	48	1	12																																	54	157	3	28	242	288
																																					%	235	327	300	233	288

TABLE 50
NUMBER OF MOLLUSCS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			106			107			108			110			111			112			117			Sub-Total			Sub-Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302						1					1		1			2	3	1				4				2		7	6	2	15	18
303											3	8					1	4			1					4	15		8	28	36	43
304											1	7						8									6		1	21	22	26
308																																
310						1						14						2									3			20	20	24
311																		1												1	1	1
312																					29									29	29	35
314												11																		11	11	13
319											1	4				1		5			1						7	1	1	17	19	23
323																		1												1	1	1
325											1	4						5				1		1			5	1	1	15	17	20
327												5																		5	5	6
330												1														1			1	1	2	2
336									13																					13	13	15
398											2	2						2									4		2	8	10	12
Sub-total	17	19	48																									9	20	172	201	

TABLE 50 CONT.'D
NUMBER OF MOLLUSCS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 120			122			150																		Sub-Total			Sub-Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302				8						9																		17			17	20
304									4																					4	4	5
308								1	1																				1	1	2	2
319				1					4																			1		4	5	6
323									8																					8	8	10
325				1						2		2																3		2	5	6
Sub-total	17	19	48																									21	1	19	41	
Complete Total	17	19	48																									30	21	191	242	288
																											%	176	111	398		

TABLE 51

NUMBER OF MOLLUSCS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	No. of Specimens				ORGAN 105				107				110				111				117				120				122								Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
501						1																																1			1	1
504										1																												1			1	1
520									1	1												1															1	2			3	4
521						1				2				3							1	1		1		1											1	8		1	10	12
529								2		8		2		5			1	2				5		2													1	20		6	27	32
540																						1																1			1	1
541										1				1								2																4			4	5
542										1																												1			1	1
549										1																		1	1								1	2			3	4
551										1																												1			1	1
Total	23	48	1	12																																	4	14	0	7	52	62
																																					%	17	85		58		

TABLE 52

NUMBER OF MOLLUSCS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN 105			107			110			111			117			120			122						Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
501						1																								1	1	1
504								1																					1		1	1
520									2									1												3	3	4
521						1			2	1	1	1						3	1									2	1	7	10	12
529						2		1	9			5		1	2			7											2	25	27	32
540																		1												1	1	1
541									1			1						2												4	4	5
542									1																					1	1	1
549									1														1	1					1	2	3	4
551									1																					1	1	1
Total	17	19	48																									2	5	45	52	62
																											%	12	26	94		

TABLE 53

NUMBER OF AMUSIUM PAPYRACEUS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 105				106				107				110				111				117				122								Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302						1							1				1	3							1	1											3	5			8	16
303													3	6		2		4			1				4	9		2									8	19		4	31	63
304													3	4	1		2	5	1							6				4							5	19	2		26	53
308																														2								2			2	4
310					1								2	10		2		2								2		1									3	14		3	19	39
311																	1																				1				1	2
312																					8	15		6													8	15		6	28	57
314													2	8		1																					2	8		1	11	22
319													4	1			2	2	1		1				2	4				4							9	11	1		21	43
323																	1													5		3					1	5		3	9	18
325														5				4		1						2		2										11		3	14	29
327													5																								5				5	10
330														1												1												2			2	4
336									1	10		2																									1	10		2	13	27
398													1	3			1	1							1	2		1									3	6		1	10	20
Total	11	31	1	6																																	49	127	3	23	202	412
																																					% 45	41	30	38		

TABLE 54
NUMBER OF AMUSIUM PAPYRACEUS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 105			106			107			110			111			117			122						Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302						1					1			3	1					2									6	2	8	16
303											3	8		1	3			1		4	11								8	23	31	63
304											1	7			8						6			4					1	25	26	53
308																							1	1					1	1	2	4
310						1						14			2						3									20	20	39
311															1															1	1	2
312																		29												29	29	57
314												11																		11	11	22
319											1	4			5			1			6			4					1	20	21	43
323															1									8						9	9	18
325											1	4			5						4								1	13	14	29
327												5																		5	5	10
330												1								1									1	1	2	4
336									13																					13	13	27
398											2	2			2						4								2	8	10	20
Total		18	31																									0	21	181	202	412
																											%		117	584		

TABLE 55

NUMBER OF AMUSIUM PAPYRACEUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	No. of Specimens				ORGAN 105				107				110				111				117				122												Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
501						1																																1			1	2
504										1																												1			1	2
520									1	1												1															1	2			3	6
521						1				2				2							1	1		1													1	6		1	8	16
529								2		8		2		5			1	2				5		2													1	20		6	27	55
540																						1																1			1	2
541										1				1								2																4			4	8
542										1																												1			1	2
549										1															1	1											1	2			3	6
551										1																												1			1	2
Total	11	31	1	6																																	4	39	0	7	50	102
																																				%	36	126		117		

TABLE 56

NUMBER OF AMUSIUM PAPYRACEUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN 105			107			110			111			117			122									Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
501						1																								1	1	2
504								1																					1		1	2
520									2									1												3	3	6
521						1			2		1	1						3											1	7	8	16
529						2		1	9			5		1	2			7											2	25	27	55
540																		1												1	1	2
541									1			1						2												4	4	8
542									1																					1	1	2
549									1											1	1								1	2	3	6
551									1																					1	1	2
Total		18	31																										5	45	50	102
																											%		28	145		

TABLE 57

NUMBER OF NEOPYCNODONTA COCHLEAR WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 110				117																												Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
303					1				4																												5				5	
Total	5																																				5				5	100
																																					%	100				

TABLE 58
NUMBER OF NEOPYCNODONTA COCHLEAR WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 110			117																					Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
303						1			4																					5	5	100
Total			5																											5	5	100
																											%			100		

TABLE 59

NUMBER OF LOLIGO PEALEI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN 108				110				112				117				120				150												Total				Total	%
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
302						1				2				4								8				9												24			24	83
319										1										1		1																2		1	3	10
325														1		1				1		1				2		2										4		4	8	28
Total	6	17		6																																	0	30		5	35	121
																																						176		83		
Pathology																																										
521										1												1																2			2	7
Total	6	17		6																																	0	2		0	2	7
																																						12				

TABLE 60

NUMBER OF LOLIGO PEALEI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN 108			110			112			117			120			150									Total			Total	%
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
302				1			2			4						8			9									24			24	83
319							1								1	1												2		1	3	10
325										1		1			1	1			2		2							4		4	8	28
Total	17		12																									30		5	35	121
																											%	176		42		
Pathology																																
521							1									1												2			2	7
Total	17		12																									2		0	2	7
																											%	12				

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